UNITED STATES DISTRICT COURT DISTRICT OF MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,)))
Plaintiff,)
) Civil Action No. 05-10990-DPW
v.) Magistrate Judge Judith G. Dein
HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED,) ORAL ARGUMENT REQUESTED
Defendant.)
)
)

HARMAN'S MOTION TO STRIKE THE SUPPLEMENTAL EXPERT REPORT OF RICHARD A. BELGARD

On November 10, 2006, MIT served Harman with a "supplemental" expert report of Richard A. Belgard. Mr. Belgard's new report is untimely, presents opinions based on information in documents available to MIT and its experts for several months prior to the expert report deadline (but which counsel for MIT chose not to reveal to Mr. Belgard until very recently), and addresses Harman products that Mr. Belgard consciously chose not to address in his original report, admittedly because he ran out of time to analyze those products. To be sure, the topics and information addressed in Mr. Belgard's new report should have been addressed *four months* ago, pursuant to the Court's Scheduling Order, as amended by stipulation of the parties, which established a July 18, 2006 deadline for "a *complete* statement of *all* opinions to be expressed and the basis and reasons therefore" under Fed. R. Civ. P. 26(a)(2)(B).

MIT is attempting to shift the burden to Harman to prove non-infringement by waiting for Harman's rebuttal expert report, and then correcting all of the mistakes and filling in all the gaps in Mr. Belgard's original report. Harman is unduly prejudiced by MIT's improper tactics,

which not only shift the burden of proof, but change the landscape for dispositive motions, divert resources, deny Harman a fair opportunity to rebut MIT's allegations, and increase costs and burden for Harman and its experts. Mr. Belgard's report should be stricken, and he should be

precluded from testifying at trial or at summary judgment regarding any opinions or documents

Case 1:05-cv-10990-DPW

BRIEF STATEMENT OF FACTS

that could have (and should have) been addressed in his original report.

Under this Court's order, amended by agreement of the parties, MIT's expert reports addressing the alleged infringement by Harman were due July 18, 2006. MIT timely served Mr. Belgard's original infringement report, which addressed only three Harman products (RB4, Crossfire, and TrafficPro) and only some of the asserted patent claims (most notably, not claim 45). Mr. Belgard's report did not contain any opinion or analysis with respect to any of the computer source code used by Harman's products, even though that source code was provided to MIT nearly a year ago, in February, 2006. During his deposition, Mr. Belgard admitted that he was never even informed that MIT's counsel had access to the Harman source code, and that he was never asked to analyze the vast majority of Harman's source code. See Exhibit A, Belgard Dep. at 9:18-10:3.2 Mr. Belgard also admitted that he never even bothered to look at any documents whatsoever regarding any other Harman products because he ran out of time and simply did not have time to do so. See Exhibit B, Belgard Dep. at 30:15-32:8.3

Indeed, MIT filed a premature motion to compel this source code, which was subsequently withdrawn. The fact that MIT pursued this source code so strongly at the outset of discovery reinforces the conclusion that there is no legitimate excuse for Mr. Belgard's failure to address the source code in his original report.

The same is true with respect to all of MIT's infringement experts. None of them were ever told about Harman's source code, none were ever told that they could be provided access to it, and none were asked to analyze it. See Exhibit C, Grosz Dep. at 50:23-52:3; see also Exhibit D Cannon Dep. at 149:21-150:2

Mr. Belgard also wasted time analyzing Harman's RB3 product, which is a Europe-only product that is never sold or used in the United States. Harman made this clear to MIT at the very beginning of the case, but counsel

On July 13, 2006, counsel for MIT identified certain documents for which they requested Harman make targeted, supplemental searches. In light of this very small set of newly discovered documents (as well as additional documents that MIT produced after this Court concluded that MIT had improperly withheld them on baseless claims of privilege), the parties' agreed (and the Court ordered) that supplemental reports *limited in scope to "new evidence"* could be served on or before November 10, 2006. *See* Exhibit E, Docket Entry 109, Docket Entry 109, Joint Motion For Withdrawal of MIT's Motion To Compel, For Supplementation of Expert Reports And For Extension Of Schedule, at page 3.

On November 10, 2006, MIT served a 96 page "supplemental" report authored by Mr. Belgard.⁴ This "supplemental" report violates the parties' agreement and this Court's order, because it is not limited to new evidence, but instead presents Mr. Belgard's belated analysis of hundreds of pages of documents and source code available to MIT and Mr. Belgard for weeks or months prior to the deadline for his original infringement report. *See* Exhibit F, Table of Belgard Reliance Documents Previously Produced. Mr. Belgard's new report also addresses claim 45 of the patent-at-issue, which was not a part of his original report. Tellingly, *all* of the documents relied on in Mr. Belgard's new report with respect to claim 45 were produced to MIT *prior to* his original report. Mr. Belgard's new report also addresses at least five new Harman products (W211 (including midline, highline, 6059 and 7042 models), DVD Navimodule for Audi (including A6 and A8 models), PCM 2, PCM 2.1, and NTG4 (RER and REU models)), none of which was analyzed by Mr. Belgard in any way whatsoever in his original report because he ran

for MIT apparently never bothered to tell Mr. Belgard this until after he spent significant time analyzing that product.

⁴ Harman notes that Mr. Belgard's new "supplemental" report is 25 pages longer than Mr. Belgard's original report.

out of time and chose not to address them. See Exhibit B. MIT and Mr. Belgard completely disregarded the parties' agreement and this Court's Order and blatantly introduced completely new opinions and analyses based on documents and information that MIT's counsel already had, but which they inexplicably failed to provide to Mr. Belgard prior to his original report.

1. This Court's Order Limits Supplemental Reports To Newly Produced Evidence.

Expert "disclosures shall be made at the times and in the sequence directed by the Court." Fed. R. Civ. P. 26(a)(C). This Court directed such a sequence for this matter, requiring full disclosure of "all opinions" and bases for those opinions from responsive experts by July 14, 2006. See Exhibit G, Docket Entry 83, Scheduling Order and Order On Parties' Motions To Compel Discovery dated June 15, 2006. By stipulation of the parties, this deadline was extended to July 18, 2006.

Due to the limited production after the initial expert reports were issued, the parties met and conferred and agreed that supplemental reports could be prepared and issued, but that the expert opinions must be limited to opinions based on "new evidence" produced in August or September, 2006. See Exhibit E, Docket Entry 109, Joint Motion For Withdrawal of MIT's Motion To Compel, For Supplementation of Expert Reports And For Extension Of Schedule.

2. Mr. Belgard's Supplemental Report Presents New Opinions And Analyses Based Upon Old Evidence In Violation Of This Court's Order.

Rule 26(a)(2)(B) requires that an expert report "contain a complete statement of all opinions to be expressed and the basis and reasons therefore." Fed. R. Civ. P. 26 (a)(2)(B) (emphasis added); see also Fed. R. Civ. P. 26 advisory committee notes (experts "must prepare a detailed and complete written report"). Here, MIT's "supplemental report" for the first time presents an analysis of Harman's source code and of additional products as well as claim 45. Mr. Belgard, could have – and should have – conducted these analyses in "the sequence directed by the court." MIT's report is a second bite at the apple, attempting to submit new opinions and bases that support its non-infringement and damages allegations. Such "sandbagging" is not permitted under the Federal Rules. See Fed. R. Civ. P. 37(c)(1) (A party "that without substantial justification fails to disclose information required by Rule 26(a) shall not, unless such failure is harmless, be permitted to use as evidence at a trial any information not so disclosed."); see also Exhibit J, O2 Micro Int'l. Ltd. v. Monolithic Power Sys., Inc., No. 06-1064, 2006 WL 3300458, at *10-11 (Fed. Cir. November 15, 2006) (affirming the exclusion of supplemental expert opinions in violation of applicable scheduling order under Rule 37(c)(1) as "an appropriate sanction for the failure to comply with such deadlines"); see also Keemer v. United States, 181 F.R.D. 639, 640-1 (D. Mon. 1998) (precluding expert's testimony on opinions expressed in untimely "supplemental" report because it contained information and opinions required to be contained in initial disclosure).

The parties' agreement to allow supplementation based on "new evidence" does not open the door to new opinions based upon old evidence that Mr. Belgard neither reviewed nor included in his original report, either because he ran out of time, could not conclude that there was infringement or perhaps for which he concluded that there was no infringement. Salgado v. General Motors Corp., 150 F.3d 735, 742, n. 6 (7th Cir. 1998) ("If the expert's report contains only incomplete opinions, the court may choose to restrict the expert's testimony to those opinions alone."). Yet, this is exactly what Mr. Belgard's newly issued report attempts to do.

a. Mr. Belgard's New Report Improperly and Prejudicially Addresses Harman's Source Code In Violation of This Court's Scheduling Order.

The Harman computer source code that Mr. Belgard extensively relies on in his new report is not "new evidence." All of this source code was made available to MIT as early as February 1, 2006, after MIT filed a premature motion to compel, which Harman responded to by

producing the source code under mutually-agreed confidentiality conditions. This source code remained available to MIT throughout fact discovery. MIT's counsel never bothered to show the source code to Mr. Belgard, or even inform him that it was available for analysis. *See* Exhibit A, Belgard Dep. at 9:18-10:3. The source code is not new evidence but instead was available to MIT for months preceding the close of fact discovery. Despite its availability, and despite MIT's having moved for such production, MIT did not review the source code, *or even inquire about doing so* during this time period. *See* Exhibit H, Gunderson August 30, 2006 letter to Baron.

Only after Harman's expert, Robert French, relied on Harman's source code to point out the significant flaws in the assumptions Mr. Belgard made in his original report did MIT decide to show Mr. Belgard the source code. Mr. French's rebuttal report established that MIT's experts wholly failed to set forth even a *prima facia* case of infringement for *any* Harman product. Facing the prospect of certain summary judgment of non-infringement for most, if not all, of Harman's products, MIT had no choice but to ignore the parties' agreement and this Court's Order and have Mr. Belgard undertake the type of analysis that he should have done prior to July 18, 2006, in his original report. MIT's strategy is simply an improper attempt to force Harman to prove non-infringement and Harman has consistently objected to any attempt by MIT to supplement its experts' reports based upon its belated consideration of the code. *See* Exhibit H, at p. 1 (noting that "Harman objects to any attempt by MIT or its experts to supplement their expert reports at this late date based on information that was available (or should have been requested, but was not) during the period for fact discovery").

b. Mr. Belgard's New Report Addresses New Products For The First Time.

Mr. Belgard's original infringement analysis and report addressed *only three* Harman products (RB4, Crossfire, and TrafficPro). Mr. Belgard's new report presents his belated analysis of *at least five* new products (W211 (including midline, highline, 6059 and 7042).

models), DVD Navimodule for Audi (including A6 and A8 models), PCM 2, PCM 2.1, and NTG4 (including RER and REU models)) that he completely ignored in his original report. It is clear from Mr. Belgard's deposition testimony that he was not asked to analyze these additional products, and in fact, could not have conducted any additional analyses in the time that he had available. Exhibit C, Belgard Dep. at 30:15-32:8. Furthermore, Mr. Belgard's "supplemental" analysis of these previously-ignored products *relies on more than 100 documents* that Harman *produced between January and June* of 2006, months before Mr. Belgard's original report was served. There is no excuse for Mr. Belgard's failure to address these documents in his original report.⁵ MIT knew the identity of all of Harman's U.S. navigation products long before the original due date for expert reports. *See* Exhibit I, Harman's Supplemental Responses To MIT'S First Set Of Interrogatories (Nos. 1-11), Response to Interrogatory No. 1 served on June 16, 2006. In fact, MIT noticed and took a 30(b)(6) deposition that covered the structure and operation of *all* of Harman's products.

MIT never complained that it needed more time or any additional 30(b)(6) testimony about Harman's products. To the extent MIT failed to inquire about *all* of Harman's products during that deposition or failed to obtain an understanding of Harman's documents and products (including the previously-produced source code, which MIT never even discussed during the 30(b)(6) deposition), that is not an excuse to supplement its expert infringement reports.

c. Mr. Belgard's New Report Improperly Includes An Analysis Of Claim 45
For The First Time In Violation of This Court's Scheduling Order.

-

⁵ In fact, even the "newly produced documents" relied upon in Mr. Belgard's new report are cited for information that is largely cumulative of information in Harman's prior productions. For example, Mr. Belgard cites, at page 4 to HAR 279830 (produced August 1, 2006) for information regarding the machine man interface. A more current version of this same document was produced on March 28, 2006. The specific cited pages in that section (HAR 279842-859) are largely identical to HAR 181367-383 in the revision produced on March 28, 2006. The parties conferred regarding these documents and MIT was aware of their cumulative nature. However, to the extent that the Court believes that certain material is new and not cumulative, Mr. Belgard's opinions should be limited to such new material.

Mr. Belgard's new report also adds new opinions with respect to claim 45 of MIT's patent – with respect to *all* of the products he analyzed – including those that he already addressed in his original report. MIT has never complained that it did not have sufficient information about Harman's RB4, Crossfire, or TrafficPro devices from which Mr. Belgard could analyze claim 45. Indeed, MIT's other experts did address claim 45 in their reports, establishing that MIT did, in fact, have the documents necessary to analyze claim 45 for those products.

Most tellingly, *all* of the documents, testimony and source code that Mr. Belgard relies on with respect to claim 45 were produced to MIT prior to Mr. Belgard's original report. There is simply no basis for Mr. Belgard to add new opinions with respect to claim 45. His opinions in no way relate to any newly produced information.

Nonetheless, Mr. Belgard, now claims in his new report at ¶ 258 that "my initial Expert Report inadvertently omitted my analysis of claim 45..." and then proceeds, without any allowance under this Court's order, to offer evidence regarding the infringement of claim 45 as against the products analyzed in his original report. He further claims at ¶260 that "[m]y opinion today regarding infringement of claim 45 ... has not changed from my initial Expert Report..." a claim which is demonstrably incorrect, as his original report did not address claim 45 at all. Supplemental expert reports should not be used to circumvent discovery deadlines and correct deficiencies caused by omissions and or lack of diligence in the original report. See O2 Micro, 2006 WL 3300458, at *10-11 (affirming the exclusion of supplemental expert opinions in violation of applicable scheduling order "given the significance of the omitted material and [plaintiff's] lack of diligence.") This Court should strike MIT's attempt to correct omissions in Mr. Belgard's report through improper supplementation.

3. Mr. Belgard Improperly Presents New Analyses in Rebuttal To "Old" Evidence Addressed in Harman's Expert Rebuttal Report

Mr. Belgard's new report also includes new opinions and new infringement arguments in reply to the rebuttal expert report of Harman's non-infringement expert, Robert French. In doing so, Mr. Belgard does not rely on any "newly produced information." Instead, Mr. Belgard is improperly filling in the gaps in his earlier analysis by relying on information that has been available to MIT all along. Importantly, Mr. Belgard even adds, beginning at ¶ 234 of his new report, completely new analyses under the doctrine of equivalents, stating that "[a]ssuming, however, Mr. French's conclusions and reasoning are correct that the RB4, TrafficPro II, and the Crossfire Radio do not literally practice claim 1 of the '685 patent, it is my opinion that each of the RB4, the TrafficPro II and the Crossfire Radio practice claim 1 of the '685 patent under the doctrine of equivalents. I explain my rationale on an element-by-element basis below."

This scenario was not contemplated by this Court's scheduling order. Harman, which has abided by the Court's order, has had no such opportunity for its experts to file a "sur-reply" opinion addressing Harman's case-in-chief on invalidity and unenforceability. Such an unfair advantage for MIT is unquestionably prejudicial and warrants the Court's exclusion of the report. See Salgado, 150 F.3d at 742 (affirming exclusion of expert's testimony because his report was untimely and "deficient in substance."); see also Hill v. Porter Memorial Hospital, 90 F.3d 220, 224 (7th Cir. 1996) (affirming preclusion of untimely disclosed experts because "adherence to established deadlines is essential if all parties are to have a fair opportunity to present their positions"; see also O2 Micro, 2006 WL 3300458 at *10-11 (affirming the exclusion of supplemental expert opinions seeking to offer new bases for infringement allegations in violation of applicable scheduling order).

4. Mr. Belgard's New Report Is Unduly Prejudicial To Harman

Harman is undoubtedly prejudiced by MIT's improper attempt to bolster Mr. Belgard's initial infringement opinions, which were to be complete as of July 18, 2006. Harman, and its experts, have expended significant effort and resources in analyzing Mr. Belgard's initial opinions, taking Mr. Belgard's deposition, and issuing responsive opinions. MIT was on notice of the likelihood that Harman would file a dispositive motion as to infringement as early as June 16, 2006 when Harman issued its supplemental interrogatory responses as to infringement which included detailed non-infringement charts responding to MIT's allegations to date. See Exhibit I, Harman's Supplemental Responses To MIT'S First Set Of Interrogatories (Nos. 1-11) served on June 16, 2006. Allowing Mr. Belgard's new report to stand would significantly change the current landscape for dispositive motions, as his newly formed opinions (based on the same evidence available to him previously) differ significantly from his original opinions, add products and claims to his analysis, and incorporate information gleaned from Mr. French's rebuttal report. Such an advantage, drastically changing the scope of MIT's infringement allegations and bolstering deficiencies as identified by Harman's rebuttal expert, is highly prejudicial.

Furthermore, responding to MIT's and Mr. Belgard's new contentions would force Harman to expend significant additional resources and deny Harman a fair opportunity to depose Mr. Belgard regarding his opinions and to rebut MIT's allegations. These resources should be directed toward Harman's dispositive motions, which are due in less than one month under this Court's current scheduling order.

Mr. Belgard's report should be stricken, and he should be precluded from testifying at trial or at summary judgment regarding any opinions or documents that could have (and should have) been addressed in his original report.

CONCLUSION

For the foregoing reasons, Harman respectfully requests that the Court strike the November 10, 2006 Supplemental Expert Report of Richard A. Belgard in its entirety.

COMPLIANCE WITH LOCAL RULES 7.1 AND 37.1

Harman's counsel discussed the issues raised herein with MIT's counsel on November 22, 2006. During that conference call, the parties agreed that an impasse had been reached as to this issue. As the parties have been unable to resolve the issue, Harman is forced to respectfully request the Court's assistance.

REQUEST FOR ORAL ARGUMENT

Furthermore, pursuant to Local Rule 7.1, Harman respectfully requests an oral argument in conjunction with Harman's Motion To Strike The Supplemental Expert Report Of Richard Belgard.

Dated: November 28, 2006

Respectfully submitted,

/s/ Courtney A. Clark

Robert J. Muldoon, Jr., BBO# 359480 James W. Matthews, BBO# 560560 Edward S. Cheng, BBO# 634063 Courtney A. Clark, BBO# 651381 SHERIN AND LODGEN, LLP 101 Federal Street Boston, MA 02110

William A. Streff Jr., P.C. Craig D. Leavell Michelle A.H. Francis Jamal M. Edwards Colleen Garlington KIRKLAND & ELLIS LLP 200 E. Randolph Dr. Chicago, IL 60601 (312) 861-2000 (phone) (312) 861-2200 (fax)

Attorneys for Defendant

CERTIFICATE OF SERVICE

I hereby certify that a copy of the foregoing HARMAN'S MOTION TO STRIKE THE SUPPLEMENTAL EXPERT REPORT OF RICHARD A. BELGARD was delivered by electronic means this 28th day of November, 2006, to counsel for MIT as follows:

Steven M. Bauer
Kimberly A. Mottley
John Pint
Proskauer Rose LLP
One International Place, 14th Floor
Boston, MA 02110-2600
sbauer@proskauer.com
kmottley@proskauer.com

/s/ Courtney A. Clark

EXHIBIT A

 	<u> </u>	
	÷	
		•••
	18	Q At the time you signed your report on
	19	
09:12:02	20	July 17th of 2006, were you aware at that time that
03.12.01	21	Harman had made available a DVD of its source code to
	22	MIT?
		A I am not aware of it as I sit here today
	23	that they made a DVD available. I know that there
	24 25	was source code that I reviewed, but that's the first
09:12:21		time I've ever heard there was a DVD made available.

ESQUIRE DEPOSITION SERVICES - CHICAGO 312.782.8087 800.708.8087 FAX: 312.704.4950

Page 9

Page 10 Counsel for MIT never told you that such a DVD was made available? 3 Α No.

EXHIBIT B

		Page 30
		,
		- -
		•
09:45:41	15	Q What about any other accused devices; were
	16	you asked to analyze any of the imported products,
	17	the Mercedes or Audi products, for example?
	18	A I don't think so. And, at some point, I
	19	think I said, "Look, you know, I can either give you
09:46:17	20	an analysis of what I can give you an analysis of, or
	21	you can delay my expert report, but I can't do any
	22	more."
	23	Q Because why couldn't you do any more?
	24	You were running out of time?
09:46:29	25	A I only had as much time as I had documents.
so redress and Miller Partition (see that)	La Colonia de Calendario d	

	····	
		Page 31
	1	You know, I continuously asked for more documents
	2	on just beyond my belief that these are the
	3	documents that these are the best documents that
	4	there are.
09:46:44	5	Q Did you ask for more documents about any
	6	other products, or were your requests for more
	7	documents limited to the three products you analyzed?
	8	A I don't remember. I don't remember.
	9	Q Were you ever asked to analyze any of the
09:46:59	10	imported products like the Mercedes and Audi, or were
	11	those systems that you did no effort to analyze at
	12	all?
	13	A So that sort of was compound. Let me
	14	answer both questions. Never I'll answer the last
09:47:15	15	one.
	16	I never did any analysis of those, and I
	17	may or may not have been asked to.
	18	Q Did you ever make a conscious effort to
	19	look for documents in the database that was made
09:47:29	20	available to you that related to any products other
	21	than RB4, TrafficPro II, or Crossfire?
	22	A RB3.
	23	Q Other than RB3, RB4, TrafficPro, and
	24	Crossfire, did you ever make any effort to look in
09:47:46	25	the database for documents relating to any other

- 1			
			Page 32
		1	products?
		2	A No.
		3	Q Were you ever told, "Don't bother to look
		4	for any such documents, for any other products beyond
	09:48:22	5	RB3, RB4, TrafficPro II, or Crossfire"?
		6	A I actually believe that I was kind of
		7	encouraged to find to start working on other
		8	products, and I just said, "I'm out of time."

EXHIBIT C

BARBARA J. GROSZ, PH.D., AUGUST 30, 2006

Page 50

Q. Did you ever talk to anyone -- any of MIT's attorneys about the fact that you didn't have

Page 51

- enough information to reach a conclusion about
- ² Claim 41?
- A. I believe that I did say that, and that's why
- it's not mentioned in my report.
- ⁵ Q. Who did you say that to?
- ⁶ A. Either Mr. Baron or Mr. Pint.
- ⁷ Q. Did you tell Mr. Baron and Mr. Pint that you
- needed to see Harman's software code in order to
- 9 determine whether or not there was infringement
- of Claim 41?
- 11 A. I don't believe I used those exact words, but I
- probably conveyed the idea that you can't tell
- whether it's object-oriented programming without
- knowing -- seeing the software or seeing some
- kind of detail specification for the software.
- Q. When you said that to them, did they tell you
- that they had access to the Harman source code
- and that you could have looked at it if you
- wanted to?
- ²⁰ A. No.
- Q. Did you know -- do you know as you sit here
- today whether or not they did have access to the
- Harman source code?
- ²⁴ A. No.

BARBARA J. GROSZ, PH.D., AUGUST 30, 2006

Page 52

- 1 Q. So if I told you they did, that would be the
- first you've heard of it?
- ³ A. Yes.

Case 1:05-cv-10990-DPW Document 117-2 Filed 11/28/2006 Page 12 of 35

EXHIBIT D

DR. M. ELIZABETH CANNON, 30(b)(6), SEPTEMBER 12, 2006

Page 149

- Q. And your assumption is that they are functionally the same; although, the actual
- underlying software might be different? Is
- that correct?

DR. M. ELIZABETH CANNON, 30(b)(6), SEPTEMBER 12, 2006

		Page	150
1	A. I cannot comment on the software,		j
2	because I have not seen it.		
			: ** 1
			j 20
			e e e e e e e e e e e e e e e e e e e
			2
			The state of the s
			Apple Person (Apple Person)
			To a to
			S. C.

Case 1:05-cv-10990-DPW Document 117-2 Filed 11/28/2006 Page 15 of 35

EXHIBIT E

Case 1:05-cv-10990-DPW

Document 109-1

Filed 09/27/2006

Page 1 of 5

UNITED STATES DISTRICT COURT DISTRICT OF MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,)))
Plaintiff,) Civil Action No. 05-10990-DPW
v.) Magistrate Judge Judith Dein
HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED,)))
Defendant.)

JOINT MOTION FOR WITHDRAWAL OF MIT'S MOTION TO COMPEL, FOR SUPPLEMENTATION OF EXPERT REPORTS AND FOR EXTENSION OF SCHEDULE

Plaintiff, Massachusetts Institute of Technology ("MIT") and Defendant, Harman International Industries, Inc. ("Harman"), submit this joint motion requesting that the Court: (1) allow MIT to withdraw its Motion to Compel; (2) allow MIT to supplement its expert reports to take into account new evidence produced by Harman in August and September 2006, and allow Harman to rebut any supplementation; and (3) amend this Court's Scheduling Order, pursuant to the agreed proposed schedule set forth below. Counsel for the parties conferred on September 26, 2006, and thereafter.

I. Motion to Withdraw MIT's 9/5/06 Motion to Compel

MIT requests leave to withdraw its motion to compel filed on September 5, 2006 as docket entry No. 103, for the reasons discussed more fully in Section II below. Harman assents.

II. Motion for Limited Supplementation of Expert Reports

The parties have reached an agreement concerning Harman's identification of previously produced documents and production of limited additional documents, as requested by MIT as part of its Motion to Compel. The parties' agreement is memorialized in correspondence between counsel, which is incorporated into this Motion and any resulting Order by reference. See September 21 and 22 J. Edwards Letters to J. Baron, attached as Ex. A. Pursuant to their agreement, Harman has identified in its production certain documents which MIT sought in its Motion to Compel, but had trouble locating. Harman will also produce additional documents, which have been specially prepared at MIT's request (without waiving any privileges or objections), which show the software versions used to create the Navigation CD's for each Accused Product. Harman will also search for additional versions of Harman specification documents, referred to as "ME_NAV", "MU_DST," "MU_POI" and "ME_WID" in HAR279688, as well as sufficient, non-privileged, existing documentation to show which versions of these specifications were used in production of the Accused Products. Harman will provide a working sample of the Mercedes W211 product, and MIT will pay Harman for that product in advance by tendering to Harman a deposit in the form of an attorney's check or certified funds for \$5,000. Harman will order the production of the sample on an expedited basis. Typically, production of a sample takes approximately 6-8 weeks. After the sample order is complete or Harman is able to ascertain the final cost for the sample, whichever comes first, Harman will refund to MIT any excess remaining from MIT's deposit. Furthermore, Harman will, at its option, either produce the specific versions of the source code for various modules at MIT's request, or shall agree and stipulate that a version which has been produced is representative of all versions for purposes of an infringement analysis.

Harman has agreed that MIT may supplement its expert reports based on any new evidence first produced by Harman in August or September 2006. The parties have also agreed that Harman may supplement its rebuttal expert reports to address any or all of MIT's supplementation. To facilitate this, the parties have agreed that MIT will file its supplemental expert reports, as agreed in the proposed schedule set forth in Section III below. Afterward, Harman will file its supplemental rebuttal expert reports, as agreed in the proposed schedule. The parties shall reserve any objections to the original or supplemental expert reports until the time allowed for Motions in Limine or *Daubert* Motions, as appropriate. The parties also reserve the right to conduct additional expert depositions, to the extent reasonably required as a result of the supplementation. Any additional expert depositions will be strictly limited in scope to the supplementation. The parties will file any appropriate motions based upon their objections during the time allowed for *Daubert* Motions or Motions in Limine, as applicable.

III. Joint Proposed Schedule

Pursuant to the parties' Agreement, as reflected above, the parties have also agreed to a revised proposed schedule as set forth below. The parties respectfully request this Court amend its current Scheduling Order to reflect this mutually agreed proposed schedule, which follows.

ACTIVITY	CURRENT DEADLINE	PROPOSED DEADLINE
CLOSE OF FACT	June 16, 2006	September 27, 2006
DISCOVERY		
SUPPLEMENTAL	NONE	October 20, 2006
EXPERT REPORTS		
SUPPLEMENTAL	NONE	November 3, 2006
EXPERT REBUTTAL		
REPORTS		
CLOSE OF EXPERT	September 15, 2006	November 3, 2006
DISCOVERY		
DISPOSITIVE MOTIONS	September 29, 2006	November 3, 2006

& DAUBERT MOTIONS		
OPPOSITIONS TO	October 13, 2006	December 1, 2006
DISPOSITIVE &		·
DAUBERT MOTIONS		

00133376.DOC/ -4-

Dated: September 27, 2006

Massachusetts Institute of Technology,

By its attorneys,

/s/ Steven M. Bauer

Steven M. Bauer, BBO #542531 Kimberly A. Mottley, BBO #651190 Jacob K. Baron, BBO #652568 John W. Pint, BBO #660548 PROSKAUER ROSE LLP One International Place Boston, MA 02110 (617) 526-9600 (phone) (617) 526-9899 (fax) Respectfully submitted,

Harman International Industries, Inc.,

By its attorneys,

/s/ Courtney A. Clark

Robert J. Muldoon, BBO #359480 James W. Matthews, BBO #560560 Edward S. Cheng, BBO #634063 Courtney A. Clark, BBO #651381 SHERIN AND LODGEN LLP 101 Federal Street Boston, MA 02110 (617) 646-2000 (phone) (617) 646-2222 (fax)

William A. Streff Jr., P.C. Craig D. Leavell
Michelle A. H. Francis
Jamal M. Edwards
Colleen Garlington
Joanna Belle Gunderson
KIRKLAND & ELLIS LLP
200 East Randolph Drive
Chicago, IL 60601
(312) 861-2000 (phone)
(312) 861-2200 (fax)

00133376.DOC/ -5-

Case 1:05-cv-10990-DPW Document 117-2 Filed 11/28/2006 Page 21 of 35

EXHIBIT F

Exhibit F Belgard Reliance Documents Previously Produced

Bates Begin	Bates End	Date Produced
HAR 043782	HAR 043899	1/18/2006
HAR 043903	HAR 043938	1/18/2006
HAR 046515	HAR 046529	1/18/2006
HAR 047400	HAR 047443	1/18/2006
HAR 049736	HAR 049739	1/18/2006
HAR 050036	HAR 050037	1/18/2006
HAR 050961	HAR 050993	1/18/2006
HAR 060920	HAR 060957	1/26/2006
HAR 060958	HAR 061048	1/26/2006
HAR 061049	HAR 061144	1/26/2006
HAR 061145	HAR 061245	1/26/2006
HAR 061246	HAR 061351	1/26/2006
HAR 061352	HAR 061477	1/26/2006
HAR 061478	HAR 061607	1/26/2006
HAR 061608	HAR 061738	1/26/2006
HAR 061870	HAR 062011	1/26/2006
HAR 062012	HAR 062155	1/26/2006
HAR 062156	HAR 062300	1/26/2006
HAR 062446	HAR 062592	1/26/2006
HAR 062593	HAR 062743	1/26/2006
HAR 062744	HAR 062895	1/26/2006
HAR 076690	HAR 076690	1/30/2006
HAR 076691	HAR 076705	1/30/2006
HAR 076801	HAR 076801	1/30/2006
HAR 076802	HAR 076811	1/30/2006
HAR 076812	HAR 076837	1/30/2006
HAR 078380	HAR 078380	1/30/2006
HSC 000245	HSC 000274	2/2006

Bates Begin	Bates End	Date Produced
HSC 000712	HSC 000726	2/2006
HSC 000727	HSC 000728	2/2006
HSC 000731	HSC 000738	2/2006
HSC 000752	HSC 000811	2/2006
HSC 000855	HSC 000876	2/2006
HSC 000878	HSC 000902	2/2006
HSC 000903	HSC 000905	2/2006
HSC 000933	HSC 000953	2/2006
HSC 000954	HSC 000956	2/2006
HSC 000957	HSC 000963	2/2006
HSC 001047	HSC 001091	2/2006
HSC 001092	HSC 001093	2/2006
HSC 001271	HSC 001282	2/2006
HSC 001283	HSC 001312	2/2006
HSC 001313	HSC 001330	2/2006
HSC 001422	HSC 001448	2/2006
HSC 001599	HSC 001616	2/2006
HSC 001833	HSC 001876	2/2006
HSC 001877	HSC 001985	2/2006
HSC 001986	HSC 001988	2/2006
HSC 002229	HSC 002230	2/2006
HSC 002312	HSC 002323	2/2006
HSC 002324	HSC 002326	2/2006
HSC 002327	HSC 002479	2/2006
HSC 002480	HSC 002486	2/2006
HSC 003133	HSC 003192	2/2006
HSC 006510	HSC 006541	2/2006
HSC 006542	HSC 006542	2/2006
HSC 009789	HSC 009861	2/2006
HSC 009864	HSC 009869	2/2006

Bates Begin	Bates End	Date Produced Av
HSC 009870	HSC 009870	2/2006
HSC 009872	HSC 009880	2/2006
HSC 009881	HSC 009890	2/2006
HSC 009908	HSC 009954	2/2006
HSC 009957	HSC 010000	2/2006
HSC 010001	HSC 010061	2/2006
HSC 010282	HSC 010286	2/2006
HSC 010287	HSC 010288	2/2006
HSC 010474	HSC 010497	2/2006
HSC 010498	HSC 010503	2/2006
HSC 010514	HSC 010530	2/2006
HSC 010531	HSC 010538	2/2006
HSC 010539	HSC 010560	2/2006
HSC 010561	HSC 010563	2/2006
HSC 010653	HSC 010681	2/2006
HSC 010682	HSC 010695	2/2006
HSC 010894	HSC 010931	2/2006
HSC 010932	HSC 010932	2/2006
HSC 010951	HSC 011006	2/2006
HSC 011007	HSC 011036	2/2006
HSC 011098	HSC 011107	2/2006
HSC 011141	HSC 011147	2/2006
HSC 011649	HSC 011688	2/2006
HSC 011689	HSC 011708	2/2006
HSC 011810	HSC 011815	2/2006
HSC 012822	HSC 012830	2/2006
HSC 013861	HSC 013902	2/2006
HSC 013936	HSC 013980	2/2006
HSC 013981	HSC 014027	2/2006
HSC 017686	HSC 017686	2/2006

Bates Begin	Bates End	Date Produced
HAR 091354	HAR 091565	3/22/2006
HAR 091566	HAR 091566	3/22/2006
HAR 092271	HAR 092454	3/22/2006
HAR 092455	HAR 092455	3/22/2006
HAR 092660	HAR 092664	3/22/2006
HAR 092665	HAR 092672	3/22/2006
HAR 092673	HAR 092680	3/22/2006
HAR 092681	HAR 092696	3/22/2006
HAR 092697	HAR 092704	3/22/2006
HAR 092705	HAR 093124	3/22/2006
HAR 093125	HAR 093129	3/22/2006
HAR 103073	HAR 103087	3/28/2006
HAR 113778	HAR 113810	3/28/2006
HAR 113811	HAR 113816	3/28/2006
HAR 113817	HAR 113848	3/28/2006
HAR 113850	HAR 113876	3/28/2006
HAR 113914	HAR 113968	3/28/2006
HAR 113969	HAR 114000	3/28/2006
HAR 114001	HAR 114024	3/28/2006
HAR 114044	HAR 114066	3/28/2006
HAR 114172	HAR 114195	3/28/2006
HAR 121174	HAR 121187	3/28/2006
HAR 168541	HAR 168543	3/28/2006
HAR 169107	HAR 169121	3/28/2006
HAR 177278	HAR 177325	3/28/2006
HAR 177418	HAR 177515	3/28/2006
HAR 177913	HAR 177918	3/28/2006
HAR 178908	HAR 178908	3/28/2006
HAR 178961	HAR 179099	3/28/2006
HAR 180240	HAR 180400	3/28/2006
· ·		

Bates Begin	Bates End	Date Produced
HAR 180401	HAR 180443	3/28/2006
HAR 180444	HAR 180474	3/28/2006
HAR 181353	HAR 181543	3/28/2006
HAR 181752	HAR 181758	3/28/2006
HAR 187994	HAR 188019	3/28/2006
HAR 188186	HAR 188219	3/28/2006
HAR 188708	HAR 188708	3/28/2006
HAR 211246	HAR 211256	4/20/2006
HAR 211257	HAR 211262	4/20/2006
HAR 211360	HAR 211443	4/20/2006
HAR 212317	HAR 212323	4/20/2006
HAR 212907	HAR 212956	4/20/2006
HAR 213621	HAR 213670	4/20/2006
HAR 214476	HAR 214503	4/20/2006
HAR 215708	HAR 215843	4/20/2006
HAR 215850	HAR 215882	4/20/2006
HAR 215919	HAR 215954	4/20/2006
HAR 215955	HAR 216076	4/20/2006
HAR 216504	HAR 216523	4/20/2006
HAR 311850	HAR 311851	4/21/2006
HAR 317740	HAR 317744	4/21/2006
HAR 322037	HAR 322037	4/21/2006
HAR 343646	HAR 343665	4/21/2006
HAR 343739	HAR 343763	4/21/2006
HAR 358238	HAR 358262	4/21/2006
HAR 362258	HAR 362260	4/21/2006
HAR 367221	HAR 367224	4/21/2006
HAR 367345	HAR 367352	4/21/2006
HAR 367772	HAR 367790	4/21/2006
HAR 367796	HAR 367824	4/21/2006

Bates Begin	Bates End	
Dates Degit	Dates: Hitting	Date Produced
HAR 369033	HAR 369051	4/21/2006
HAR 369657	HAR 369677	4/21/2006
HAR 379608	HAR 379728	4/21/2006
HAR 380378	HAR 380392	4/21/2006
HAR 592829	HAR 592864	4/21/2006
HAR 666505	HAR 666602	4/21/2006
HANIKA 0048195	HANIKA 0048195	between 04/2006-06/2006
JESKE 0002856	JESKE 0002856	between 04/2006-06/2006
JESKE 0002884	JESKE 0002884	between 04/2006-06/2006
WELLMANN 0000318	WELLMANN 0000318	between 04/2006-06/2006
WELLMANN 0000328	WELLMANN 0000328	between 04/2006-06/2006
WELLMANN 0000509	WELLMANN 0000509	between 04/2006-06/2006
WELLMANN 0000705	WELLMANN 0000705	between 04/2006-06/2006
WELLMANN 0001454	WELLMANN 0001454	between 04/2006-06/2006
WELLMANN 0001992	WELLMANN 0001992	between 04/2006-06/2006

Case 1:05-cv-10990-DPW Document 117-2 Filed 11/28/2006 Page 28 of 35

EXHIBIT G

UNITED STATES DISTRICT COURT DISTRICT OF MASSACHUSETTS

MASSACHUSE	ITS INSTITUTE)	
OF TECHNOLO	GY,)	
)	
	Plaintiff,)	CIVIL ACTION
v.)	NO. 05-10990-DPW
)	
HARMAN INTE	RNATIONAL)	
INDUSTRIES, II	NC.,)	
)	
De	fendant.)	

SCHEDULING ORDER AND ORDER ON PARTIES' MOTIONS TO COMPEL DISCOVERY

On June 15, 2006, this court held a hearing to consider "Harman's Motion to Compel MIT's Responses to Harman's Interrogatories Nos. 9, 10 and 16 and Compliance with Harman's Rule 30(b)(6) Deposition Notice" (Docket No. 73) and "MIT's Counter-Motion to Compel Discovery" (Docket No. 78). At the hearing, the parties informed the court that they had resolved the issues raised by Harman's motion and MIT's counter-motion. However, Harman requested that the schedule for expert discovery and the filing of motions for summary judgment be extended by approximately one month. After consideration of the parties' positions, this court hereby ORDERS as follows:

1. Harman's motion to compel responses to interrogatories and compliance with Harman's Rule 30(b)(6) deposition notice (Docket No. 73) is withdrawn by agreement of the parties.

- 2. MIT's counter-motion to compel discovery (Docket No. 78) is withdrawn by agreement of the parties.
 - 3. The parties shall comply with the following schedule:
 - (a) The parties shall disclose their expert witnesses, pursuant to Fed. R. Civ. P. 26(a)(2), by **July 14, 2006**.
 - (b) The parties shall serve any expert rebuttal reports by **August 11**, **2006**.
 - (c) All expert discovery shall be completed by **September 8, 2006**.
 - (d) The parties shall file any motions for summary judgment by **September 22, 2006**.
 - (e) Any oppositions to motions for summary judgment shall be filed by October 13, 2006.

/ s / Judith Gail Dein
Judith Gail Dein
United States Magistrate Judge

DATED: June 15, 2006

Case 1:05-cv-10990-DPW Document 117-2 Filed 11/28/2006 Page 31 of 35

EXHIBIT H

KIRKLAND & ELLIS LLP

AND AFFILIATED PARTNERSHIPS

200 East Randolph Drive Chicago, Illinois 60601

312 861-2000

www.kirkland.com

Facsimile: 312 861-2200 Dir. Fax: 312 660-0613

August 30, 2006

VIA ELECTRONIC MAIL

Jacob K. Baron Proskauer Rose LLP One International Place Boston, MA 02110-2600

Re: MIT v. Harman Int'l Indus., Inc.—Case No. 05-10990 DPW (D. Mass)

Dear Jake,

Joanna Belle Gunderson To Call Writer Directly:

312 469-7024

jgunderson@kirkland.com

I write in response to your letter of August 25, 2006 to Craig Leavell. As a threshold issue, we note that Harman made its full source code available to MIT several months ago, under conditions that MIT agreed to after extensive negotiations and even a premature motion to compel, which MIT ultimately withdrew in light of the parties' agreement. Despite the fact that the source code was readily available and located just a block or two from your offices, neither MIT's attorneys nor its experts ever took the time to review that source code. After a similar negotiation and premature motion, Harman also made available product samples of each of the then-accused systems, only to have MIT decline to accept all but one such sample. In addition, despite requests for payment, MIT has yet to pay for the one sample that Harman did provide, and despite MIT's express agreement to pay for the sample as a precondition for Harman's effort to provide them. Now, more than two months after the close of fact discovery, and only after the completion of expert reports, have you requested access to the source code and samples of devices that were accused of infringement on the final day of fact discovery. Your requests for these materials at this late date violates the Court's scheduling order and the Federal Rules. Thus, Harman objects to any attempt by MIT or its experts to supplement their expert reports at this late date based on information that was available (or should have been requested, but was not) during the period for fact discovery. It is clear to us that MIT is trying to shift the burden to Harman to prove non-infringement, which is inappropriate.

Regarding your item no. 1, these gaps were not intentional and the missing items were to be produced in our production of August 1, 2006. I am unsure why you did not receive them, regardless, I have attached another copy of these documents.

Regarding item nos. 2-4, 6, and 7 in general, we will communicate your specific requests for documents to our personnel in Germany to see whether any such documents can be located,

London Los Angeles Munich New York San Francisco Washington, D.C.

Jacob K. Baron August 30, 2006 Page 2

and if so, we will consider whether they are responsive to any outstanding document requests. If so, we will produce them as soon as possible.

Regarding the documents sought in your item numbers 2 and 3, we have already repeatedly inquired as to whether such document exist, and have repeatedly been told that they do not exist. Nonetheless, we will inquire as to the previous personnel we asked and also ask others whether the requested documents exist. Harman has gone above and beyond its requirements to make a good faith effort for these documents.

Regarding the documents sought in your item number 4, we do not believe that such documents exist, but will make another effort to look for such documents. It is our understanding that there is no documentation which directly corresponds to the changes made in each version of the software module. We note that the source code did include a history of changes to each file, from which the information sought could have been determined, at least in part, based on the timing of the product releases.

Regarding the documents sought in your item number 5, we disagree with your assertion that later versions of software may have been backward-compatible necessarily means that the various versions can be applied to all systems. As new features were added, it does not follow that earlier systems included such features even if the software was compatible. Regarding your statement about Mr. Jeske's knowledge, the 30(b)(6) deposition notice did not seek that particular information. Had MIT provided anything more than a very broad request, we would have been in a position to ensure that Mr. Jeske was prepared to respond to any particular topic that was noticed. MIT assumed that it could simply apply findings about one system to each and every Harman system. The individuals who MIT consciously chose not to depose, such as Mr. Hanika-Heidl, for example, have additional, particular information about Harman's software. Harman strongly suggested that MIT depose several of the Germany-based witnesses, who had been disclosed very early on in this case as having relevant knowledge. MIT declined to do so, even though MIT had not used all 10 of the depositions under the presumptive limit of the Federal Rules. We specifically informed MIT that these witnesses had additional knowledge. but MIT declined to depose them. MIT did not timely serve any interrogatory seeking this information, nor has MIT ever contended that Harman was required to produce anyone other than Mr. Jeske for any follow-up to the 30(b)(6) deposition.

Regarding your item number 6, this is the first time that MIT has specifically requested that we attempt to locate this information. If it exists and can be located, we will produce it as soon as possible.

Regarding your item no. 8, any notes will be brought to Mr. French's deposition. However, Harman would like to point out that both Mr. Molzen and Mr. Hanika-Heidl were previously identified by Harman to MIT as individuals with knowledge relevant to this case for

Jacob K. Baron August 30, 2006 Page 3

many, many months. Regardless, MIT specifically and consciously decided not to depose either of these two witnesses, and expressly withdrew its notice of deposition with respect to Mr. Hanika-Heidl, even though we had prepared him to be deposed and had scheduled a deposition. We believe it is improper for MIT to now start conducting fact discovery of these two witnesses, more than two months after the close of fact discovery.

Regarding you item no. 9, this website was not intentionally removed. We can specifically state that its removal was not done at the request of counsel (outside or in-house), and its removal had nothing to do with this case, but was instead done in the normal course of business by the Harman Consumer Group. We too were surprised to see that it was no longer accessible. Harman's in-house counsel ordered the website restored and the site was reactivated on August 29 at its original URL (www.trafficpro2.com).

Regarding your item no. 10, MIT declined our offer for MIT to purchase all but one of the earlier samples. Harman specifically made these samples for MIT at the beginning of the discovery period. MIT never requested any further samples during the fact discovery period, which is now closed. We believe the proper time for MIT to request samples of these products was during fact discovery. Furthermore, per my letter to Ms. Mottley of August 25, 2006, Harman has not yet received payment for the one sample which MIT did purchase several months ago.

Regarding your item no. 11, it was our understanding that MIT was not accusing the NTG4 of infringement. This was further evidenced by the reports of MIT's experts, which do not identify the NTG4 as an accused device. We already provided the most recent documents that were available during the period for fact discovery. Nevertheless, none of MIT's experts bothered to review those materials in connection with their infringement analyses.

Regarding your item no. 12, after MIT's motion to compel filed on January 18, 2006, the parties agreed to a procedure by which the source code would be made available to MIT during the fact discovery period. The source code was available for many months, through the close of fact discovery. What is interesting to us is that after demanding access and even filing a premature motion to compel to gain access to the source code, MIT made no effort to review the source code, or even inquire about doing so during the fact discovery time period after we produced the source code. Fact discovery is now closed, and the source code is no longer at Sherin & Lodgen. Harman objects to any access to the source code by MIT's experts on the basis that it is untimely, should have been done before, and does not provide a legitimate basis for MIT to supplement any of its expert reports. To the extent that counsel for MIT wishes to review the source code under the understanding that it will not be shared with MIT's experts, we are willing to consider granting you such access.

Jacob K. Baron August 30, 2006 Page 4

Regarding MIT's statement that refers to supplementing Mr. Belgard's report, since MIT had the opportunity to review Harman's source code and failed to make use of it during the appropriate time period, Harman specifically objects to MIT submitting any supplemental expert reports dealing with source code. Furthermore, it appears that even when an expert, specifically Dr. Grosz, expressed a need to see the source code or product samples, MIT did not provide that expert with access to either the source code or the product samples. All of MIT's experts, including Mr. Belgard, had ample opportunity to view the source code and to request sample devices during the fact discovery period. There is no legitimate basis for Mr. Belgard, or any of MIT's experts for that matter, to provide an untimely supplemental report to address information that could have, and should have been reviewed during the fact discovery period and addressed in opening expert reports—especially if their failure to do so was a result of MIT not providing access to or not making their experts aware of access to the source code and product samples.

Furthermore, many of the items that MIT is now requesting are things that likewise could have, and should have been addressed during fact discovery. For instance, had MIT reviewed the source code or even performed some simple follow up to Mr. Jeske's deposition, the need for many of these now untimely requests for production may have been realized. Fact discovery is now closed and expert discovery is nearing closure. MIT has had ample time to investigate these matters and to the extent that MIT intends to re-open fact discovery and attempt to submit untimely expert reports, Harman objects.

Best Regards,

Ioanna Belle Gunderson

Attachments (2)

EXHIBIT I

IN THE UNITED STATES DISTRICT COURT DISTRICT OF MASSACHUSETTS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY,)))
Plaintiff,)
v.) Case No(s).: 05-10990 DPW
HARMAN INTERNATIONAL INDUSTRIES, INCORPORATED,)))
Defendant.)))

HARMAN'S SUPPLEMENTAL RESPONSES TO MIT'S FIRST SET OF INTERROGATORIES (NOS. 1-11)

Pursuant to Rules 26 and 33 of the Federal Rules of Civil Procedure, defendant Harman International Industries Inc. ("Harman") submits the following supplemental responses and objections to plaintiff Massachusetts Institute of Technology's ("MIT's") First Set of Interrogatories (Nos. 1-11). These responses supersede and replace any earlier served responses.

GENERAL OBJECTIONS

Harman incorporates its General Objections to MIT's First Set Of Requests For The Production Of Documents And Things (1-26) as if fully set forth herein.

Schmandt wrote any sections of the IDS or any of the claims. *Id.* at 48:21-23, 49:21-23. Schmandt testified that he was "substantively involved" in the prosecution of the '685 patent application, and in particular, involved with the IDS. Schmandt Dep. at 48:17-24; 81:2-18. He also stated that Davis was more involved in the patent prosecution than he was. *Id.* at 49:6-10. Regardless, of which story is correct and no matter where the fault lies, it is clear that there was material information withheld from the PTO during the prosecution of this patent. In addition, the motivations of the inventor(s), the affirmative misrepresentations present in the patent and thesis, and the seemingly unbelievable failure of anyone to locate and produce even requested documents to the PTO evidences the willfulness of these actions and meets the standards of inequitable conduct.

Harman further responds that this topic may be the subject matter of one or more future expert report(s), which, on completion and service on MIT, will be hereby incorporated by reference.

Interrogatory No. 8:

If Harman contends that any of the products and services identified by Interrogatory 1 do not infringe the claims of the '685 Patent, state the basis, including a claim chart, for such a contention.

Supplemental Response to Interrogatory No. 8:

Harman incorporates its objections to Interrogatory No. 1 as if fully set forth herein. Harman objects to Interrogatory No. 8 as premature, overly broad and unduly burdensome because the Court has yet to construe any of the claims of the '685 patent, and because MIT has failed to provide detailed positions with respect to infringement of several claims that MIT has "reserved the right" to assert, and has provided no infringement position with respect to a large number of Harman imported products for which MIT has also indicated may eventually be at issue in this case. In addition, in a letter dated June 12, 2006, MIT purports to assert the

following claims: 1, 2, 7-9, 11-13, 19, 21, 23, 24, 27-29, 32, 34-36, 40, 41-46, 48, 49, 54 and 56.

Accordingly, Harman limits its response to this interrogatory to those asserted claims. Harman

objects to MIT's assertion of claims 2, 8-9, 12, 21, 24, 29, 36, 41-46 and 56, which MIT failed to assert in its preliminary infringement contentions. Harman further objects to this interrogatory as premature because responsive information is the subject of ongoing discovery and investigation, and will be the subject of expert analysis and testimony. Further, the Court has not provided its construction of disputed terms of the asserted claims. Accordingly, Harman reserves the right to supplement its responses to this interrogatory under Rule 26(e) of the Federal Rules of Civil Procedure after sufficient time for fact and expert discovery, once MIT finalizes its infringement and claim construction contentions, and, as necessary, upon the discovery of additional facts or construction by the Court.

Subject to its asserted objections, Harman refers MIT, pursuant to Rule 33(d) of the Federal Rules of Civil Procedure, to documents and things that Harman has made available for inspection, including without limitation documents bates numbered: HAR 000168-HAR 000759. Harman further responds that no Harman product infringes any claim of the '685 patent, and further refers MIT to the attached charts, which respond to MIT's infringement contentions to date. Harman further responds that, since each asserted claim is invalid, and it is legally impossible to infringe an invalid claim, none of the asserted claims are infringed for this additional reason, as well. Harman also refers MIT to its supplemental response to Interrogatory No. 9.

Harman further responds that, depending on the constructions adopted by the Court, each of the limitations of each asserted claim are found in multiple prior-art references, which can be combined in various ways to invalidate each claim. See enclosed claim chart.

Harman further responds that this topic may be the subject matter of one or more future expert report(s), which, on completion and service on MIT, will be hereby incorporated by

reference.

Interrogatory No. 9:

State whether Harman has ever solicited or received, directly or indirectly, from any source, or prepared on its own any opinion, search, report or advice, written or oral, concerning the infringement, noninfringement, validity or enforceability of the '685 Patent, and identify all documents and prior art constituting, concerning, or identified by the opinion, search, report or advice, and all persons who prepared, presented or assisted in the preparation of such opinion, search, report or advice. If such opinion, search, report or advice was solicited but never received, identify all persons who made the inquiry or investigation.

Supplemental Response to Interrogatory No. 9:

Subject to its asserted objections, Harman refers MIT to the deposition testimony of Mr. Robert Hart, the documents produced in this matter by Brinks Hofer Gilson and Lione, and the documents produced by Harman in its voluntary waiver of privilege as a result of its reliance on its opinion of counsel. Harman further identifies the following documents:

HAR 006016-HAR 006020	HAR 006812
HAR 006036-HAR 006037	HAR 006839
HAR 006067	HAR 006866-HAR 006868
HAR 006083-HAR 006098	HAR 006879-HAR 006880
HAR 006131	HAR 006906-HAR 006907
HAR 006134-HAR 006137	HAR 006928
HAR 006146-HAR 006149	HAR 006941
HAR 006151-HAR 006152	HAR 006984
HAR 006192-HAR 006196	HAR 007005
HAR 006287	HAR 007009-HAR 007015
HAR 006290-HAR 006291	HAR 007021-HAR 007022
HAR 006307	HAR 007028-HAR 007030
HAR 006311	HAR 007041
HAR 006313-HAR 006314	HAR 007042-HAR 007048
HAR 006330	HAR 007050-HAR 007051
HAR 006337	HAR 007112
HAR 006340	HAR 007117-HAR 007119
HAR 006344	HAR 007130
HAR 006346	HAR 007134-HAR 007136
HAR 006349	HAR 007147-HAR 007148
HAR 006351	HAR 007154

Document 117-3

3		
685 Patent		Non-infringement of the Traffic Pro Devices 1
. An autom poken instru lestination in	1. An automobile navigation system which produces spoken instructions to direct a driver of an automobile to a destination in real time comprising:	1. An automobile navigation system which produces MIT's infringement claim chart, which addresses only other products with respect to this preamble, sets forth no spoken instructions to direct a driver of an automobile to a evidence relating to the issue of whether this preamble is met by the TrafficPro device. destination in real time comprising:
computing approcesses,	computing apparatus for running and coordinating system processes,	
hiver input r	driver input means functionally connected to said computing apparatus for entering data into said computing	driver input means functionally connected to said The TrafficPro devices do not include this limitation. First, no TrafficPro has ever had a keyboard or equivalent computing apparatus for entering data into said computing structure. Second, the TrafficPro never allowed for entering data that includes a desired destination. Instead, a
pparatus, sai	apparatus, said data including a desired destination,	TrafficPro user would input a desired destination by selecting among data that has already been pre-input into the Harman U.S. system.
a map databa apparatus wh connectivity,	a map database functionally connected to said computing apparatus which distinguishes between physical and legal connectivity,	As properly construed, the TrafficPro database does not "distinguish[] between physical and legal connectivity."
osition sens unctionally c roviding said	nd in the automobile and in the automobile and inputing apparatus for us data for determining	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no evidence relating to the issue of whether this claim is met by the TrafficPro device.
he automobi		The GPS satellites referred to in MIT's infringement chart with respect to other devices are not "installed in the automobile," and GPS receivers are not position sensors. In addition, the TrafficPro, as sold by Harman, did not include any sensing apparatus for determining position. At most, the TrafficPro was sold with equipment that could be used by the system to determine heading, which is not position.
location sys	a location system functionally connected to said computing apparatus for accepting data from said position	The TrafficPro did not determine any relative map position, addition, the TrafficPro did not use a map database as claim
sensing apparatus, for determining the to the map database,	or consulting said map database, and automobile's current position relative	
route-finder pparatus, for	a route-finder functionally connected to said computing apparatus, for accepting the desired destination from said	As noted above, the TrafficPro did not include the required "driver input means" and "map database" recited in this limitation. In addition, the TrafficPro did not compute a route to the destination. Instead, the route finder
river input nocation syste		took an iterative approach that interpolated a route from both ends - the beginning and end - until a route is chosen, as opposed to calculating a route to the desired destination.
discourse ge omputing ap	nnected to said	The TrafficPro did not "compose discourse including instructions and other messages for directing the driver to the destination." First, it is unclear how MIT construes the term "discourse," but to the extent MIT requires

Note: MIT's infringement chart combines multiple devices, including both Traffic Pro and Traffic Pro II/7800, and also relies on information pertaining to a proposed, but never commercialized device, the NR2, which is not a TrafficPro device. MIT's reliance on the NR2 system for purposes of its infringement contention regarding the Traffic Pro system is misplaced and has been disregarded for purposes of this response. Harman objects to MIT's grouping these products together, and this chart is provided in response to the information cited by MIT that expressly or reasonably can be determined by Harman to refer to the Traffic Pro device.

I his claim is not infringed because claim I is not infringed for the reasons stated above.	19. The automobile navigation system of claim I wherein
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the TrafficPro database does not include expected rate of travel. Expected time of arrival ("ETA") should not be construed to be the same thing as the expected rate of travel. In addition, the claim requires that the expected rate be included within the database itself, so if the ETA is derived based on other information (either inside or outside of the database) then this should not be construed to be the same as including the expected travel time in the database itself.	
In addition, the TrafficPro database used in the U.S. does not include speed limits. MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no evidence relating to the issue of whether this claim is met by the TrafficPro device.	said map database includes speed limits. 13. The automobile navigation system of claim 1 wherein said map database includes expected rate of travel.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. This claim is not infringed because claim 1 is not infringed for the reasons stated above.	11. The automobile navigation system of claim 1 wherein said map database includes lane information. 12. The automobile navigation system of claim 1 wherein
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	 The automobile navigation system of claim 1 wherein said map database distinguishes divided streets.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the quality of the street is unimportant to (and not included in) the TrafficPro map, which instead relies on a relative rating of street functionality, in which even streets with relatively high functionality can be of poor street quality. The classes of roads in Harman's map database (cited in MIT's claim chart) are not based on street quality.	8. The automobile navigation system of claim 1 wherein said map database includes measures of street quality.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the TrafficPro map does not include three-dimensional representation of street topology. The third number included for some particular locations is only used to represent which roads are above others by use of a relative indicator (-1, 0, 1 or 2, for example), but this is not a third coordinate, and is not a three-dimensional representation of street topology.	7. The automobile navigation system of claim 1 wherein said map database comprises a three-dimensional representation of street topology.
2. The automobile navigation system of claim 1 wherein said map database comprises a set of straight line segments in addition, nothing in MIT's infringement chart indicates the particular database arrangement is present in any and a set of nodes, each endpoint of each segment being a pointer to a node representing the coordinates of the endpoint and the set of other segments which are physically and legally connected to that endpoint.	2. The automobile navigation system of claim 1 wherein said map database comprises a set of straight line segments and a set of nodes, each endpoint of each segment being a pointer to a node representing the coordinates of the endpoint and the set of other segments which are physically and legally connected to that endpoint.
As sold by Harman, the TrafficPro system did not include any voice apparatus/speakers. The TrafficPro could be completely operational without being connected to speakers, and Harman is without sufficient knowledge as to which users may or may not have connected a TrafficPro system to other third-party speaker systems.	voice apparatus functionally connected to said speech generator for communicating said speech provided by said speech generator to said driver.
MIT has not identified any speech generator in its claim chart with respect to the TrafficPro, but merely cites to passages that indicate that audio may be outputted by the system.	a speech generator functionally connected to said discourse generator for generating speech from said discourse provided by said discourse generator, and
writing," then the TrafficPro did not meet such requirements. Second, MIT's claim chart provides no basis to conclude that the TrafficPro provides "other information for directing the driver to the destination."	finder, for consulting said map database, and for composing discourse including instructions and other messages for directing the driver to the destination from the current position.

21. The automobile navigation system of claim 1 further comprising means for updating said map database.	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no evidence relating to the issue of whether this claim is met by the TrafficPro device.
	This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the TrafficPro does not include either the structure or functionality required by this limitation. The replacement of one complete database with a second, different, complete database is not the same as updating suid (single) database. In addition, the TrafficPro database cannot be updated, altered, or replaced by use of a radio broadcast.
23. The automobile navigation system of claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
the map has minimum accuracy of 10 meters.	TrafficPro device.
24. The automobile navigation system of claim I wherein said route finder is based on a best-first search algorithm.	
27. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above
said route finder is adapted to find a best route according to any one of three cost metrics: distance, speed, simplicity.	In addition, the TrafficPro cannot find a best route according to simplicity. Avoidance of highways should not be construed to be synonymous with simplicity.
28. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
driver or vehicle navigation system makes an error or if	indifferent as to why it must be done. The Traffic Pro route finder does not differentiate between having to
the route is unnavigable due to unforeseen circumstances, wherein said new route does not simply backtrack to the	recalculate due to errors (either by the user or the system) or unnavigabilty due to circumstances (unforeseen or
point of the error if a better route from the current location exists.	•
29. The automobile navigation system of claim 1 wherein said route finder is adapted to calculate a new route while	MIT has not come forward with any evidence that purports to show infringement of this claim by any TrafficPro device.
the automobile is in motion, wherein said new route will begin from the location of the automobile at the time the	
calculation of the new route is completed.	
32. The automobile navigation system of claim 1 wherein said location system is a position-keeping (dead-reckoning) system.	MIT has not come forward with any evidence that purports to show infringement of this claim by any TrafficPro device.
34. The automobile navigation system of claim 1 wherein said location system employs map matching.	This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, MIT's infringement claim chart, which mentions only the NR2 system, sets forth no evidence relating to the issue of whether this limitation is present in the TrafficPro device.
35. The automobile navigation system of claim 1 wherein said position sensing apparatus comprises displacement and direction sensors installed in the automobile.	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no evidence relating to the issue of whether this claim is met by the TrafficPro device.
	This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, as sold by Harman, none of the TrafficPro systems included displacement sensors. Also, aside from
	a few early TrafficPro systems that were probably sold with connected compasses, none of the TrafficPro
	systems included anything installed in the vehicle that could sense direction.

36. The autor	36. The automobile navigation system of claim 1 wherein said position sensing apparatus measures displacement	MIT has not come forward with any evidence that purports to show infringement of this claim by any
with an odometer.	eter.	A CONTRACTOR OF THE CONTRACTOR
40. The autor	40. The automobile navigation system of claim 1 wherein	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
said position gyroscope.	said position sensing apparatus measures direction with a gyroscope.	evidence relating to the issue of whether this claim is met by the TrafficPro device.
		This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, measuring the vehicle rate of change of the steering angle should not be construed to be the same as measuring direction.
41. The autor	41. The automobile navigation system of claim 1 wherein	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
said discours	based on an object-oriented	evidence relating to the issue of whether this claim is met by the TrafficPro device.
programming		
		In addition. MIT's infringement claim chart which mentions only the NR2 system sets forth no evidence
		relating to the issue of whether this limitation is present in the TrafficPro device.
		0
		design is irrelevant to the issue of infringement of this claim. In addition, the TrafficPro does not use object oriented programming for instruction consention/instruction.
		giving.
42. The autor		MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
taxonomy of	taxonomy of intersection types, and the disclosure	THE TO THE TO THE THEFT OF THE PROPERTY IN PROPERTY TO THE TRAILING TO THE TRA
generated in r	generated in relation to each said intersection depends on its type.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
43. The autor	nobile navigation system of claim 42 wherein	43. The automobile navigation system of claim 42 wherein MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
said taxonom	said taxonomy of intersection types includes continue,	evidence relating to the issue of whether this claim is met by the TrafficPro device.
forced-turn, U	otary, stay-on-	
rotary, exit-ro	rotary, exit-rotary, fork, turn, and stop.	This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above. In addition, the evidence cited in MIT's TrafficPro claim chart does not establish that any device includes each
		of the recited intersection types required by this claim.
44. The autor	nobile navigation system of claim 42 wherein	44. The automobile navigation system of claim 42 wherein MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
said discourse	said discourse generated further depends on a description	evidence relating to the issue of whether this claim is met by the TrafficPro device.
function for e	function for each intersection type which generates a	
description g		This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above.
description at	on along the route from which an	In addition, the evidence cited in MIT's TrafficPro claim chart does not establish that any device satisfies this
instruction is to be given.		claim.
45. The autor	45. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
said discourse		In addition, this claim is not infringed because no instruction is given at the time the act is to be performed.
an act given s	an act given substantially before the act is to be performed	
and a short de	and a short description given at the time the act is to be	
46. The autor	nobile navigation system of claim 45 wherein	46. The automobile navigation system of claim 45 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any

	TrafficPro device.
40. The automobile navigation system of claim I wherem 1	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	In addition, the TrafficPro does not include any means to demand clarification or repetition of instructions, and
	the evidence cited by MIT in its TrafficPro infringement chart does not purport to show otherwise.
	,
49. The automobile navigation system of claim 1 wherein N	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
said driver input means includes means for said driver to e	evidence relating to the issue of whether this claim is met by the Traffic Pro device.
	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
t be	In addition, the TrafficPro does not include any way for a user to indicate that a given instruction provided by
calculated. s:	said system is impossible to complete for some reason. At most, the Harman systems simply include a way to
T	request a new route calculation, without providing any such explanation or reason for the requirement.
54. The automobile navigation system of claim 1 wherein IN	MIT's infringement claim chart, which addresses only other products with respect to this claim, sets forth no
	evidence relating to the issue of whether this claim is met by the TrafficPro device.
stored in said computing apparatus to customize discourse	
to the requirements and preferences of said driver.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	In addition, the option to choose between a particular language or a male or female voice that is not stored as a
ਸ ਦੇ	user-model, and/or which does not affect or customize in any way the discourse should not be construed to be within the scope of this claim.
56. The automobile navigation system of claim 1 wherein ly	MIT's infringement claim chart, which addresses only other products (including non-U.S. products) with respe
	to this claim, sets forth no evidence relating to the issue of whether this claim is met by the TrafficPro device.
	This claim is not infringed because claim 1 is not infringed for the reconnectated above
	Comment of the control of the contro

685 Patent	The second secon
	Non-infringement of the Traffic FTo II/ /800 Devices-
spoken instructions to direct a driver of an automobile to a	
destination in real time comprising:	
d coordinating system	MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no
	evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 devices.
driver input means functionally connected to said	None of the Traffic Pro II/7800 devices include this limitation. First, no Traffic Pro II/7800 has ever had a
computing apparatus for entering data into said computing	keyboard or equivalent structure. Second, the Traffic Pro II/7800 never allowed for entering data including a
apparatus, said data including a desired destination,	desired destination. Instead, a Traffic Pro II/7800 user would enter a desired destination by selecting among
a map database functionally connected to said computing	As properly construed, the Traffic Pro II/7800 database does not "distinguishfi between physical and legal
nd.	The GPS satellites referred to in MIT's infringement chart are not "installed in the automobile." In addition, the
	Traffic Pro II/7800, as sold by Harman, did not include any sensing apparatus for determining position. At most,
providing said computing apparatus data for determining the automobile's current position,	the Traffic Pro II/7800 was sold with equipment that could be used by the system to determine heading, which is not position.
mected to said	The Traffic Pro II/7800 did not determine any relative map position. Instead, it was based on absolute map
computing apparatus for accepting data from said position leading apparatus. For consulting said man database and	locations. In addition, the Traffic Pro II/7800 did not use a map database as claimed for the reason set forth
for determining the automobile's current position relative to the map database,	
	As noted above, the Traffic Pro II/7800 did not include the required "driver input means" and "map database"
apparatus, for accepting the desired destination from said	recited in this limitation. In addition, the Traffic Pro II/7800 did not compute a route to the destination. Instead,
nap database, and for	a route is chosen, as opposed to calculating a route to the desired destination.
a discourse generator functionally connected to said computing apparatus for accepting the current position	The Traffic Pro II/7800 did not "compose discourse including instructions and other messages for directing the driver to the destination." First, it is unclear how MIT construes the term "discourse," but to the extent MIT
	requires something more for "discourse" other than the plain and ordinary meaning of "Verbal expression in
	speech or writing," then the TrafficPro II/7800 did not meet such requirements, because it was not based on any
	discourse or linguistics theory. Second, MIT's claim chart provides no evidence that the Traffic Pro II/7800
messages for directing the driver to the destination from	provides "other information for directing the driver to the destination."

Note: MIT's infringement chart combines multiple devices, including both Traffic Pro and Traffic Pro II/7800, and also relies on information pertaining to a proposed, but never commercialized device, the NR2, which is not a TrafficPro device. MIT's reliance on the NR2 system for purposes of its infringement contention regarding the Traffic Pro II/7800 systems is misplaced and has been disregarded for purposes of this response. Harman objects to MIT's grouping these products together, and this chart is provided in response to the information cited by MIT that expressly or reasonably can be determined by Harman to refer to the Traffic Pro II/7800 devices.

the current position.	
unctionally connected to said	MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no
discourse generator for generating speech from said discourse provided by said discourse generator, and	evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device.
	In addition, MIT has not identified any speech generator in its claim chart, but merely cites to passages that indicate that audio may be outputted by other systems.
voice apparatus functionally connected to said speech generator for communicating said speech provided by said	As sold by Harman, the Traffic Pro II/7800 system did not include any voice apparatus/speakers. The Traffic Pro II/7800 could be commissed to operational without being connected to speakers, and Harman is without
	sufficient knowledge as to which users may or may not have connected a Traffic Pro II/7800 system to other third-party speaker systems.
2. The automobile navigation system of claim 1 wherein said man database comprises a set of straight line segments	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
and a set of nodes, each endpoint of each segment being a	and a set of nodes, each endpoint of each segment being a Traffic Pro II/7800 device.
endpoint and the set of other segments which are physically and legally connected to that endpoint.	
vherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
representation of street topology.	The third number included for some particular locations is only used to represent which roads are above others
	by use of a relative indicator (-1, 0, 1 or 2, for example), but this is not a third coordinate, and is not a three-dimensional representation of street topology.
Ħ.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
come same amorphore savenues savenues os es su con questry.	instead relies on a relative rating of street functionality, in which even streets with relatively high functionality
	can be of poor street quality. The classes of roads in Harman's map database (cited in MIT's claim chart) are not based on street quality.
 The automobile navigation system of claim 1 wherein said map database distinguishes divided streets. 	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
11. The automobile navigation system of claim 1 wherein said map database includes lane information.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
12. The automobile navigation system of claim 1 wherein said map database includes speed limits.	This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the Traffic Pro II/7800 database used in the U.S. does not include speed limits
f claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
said map database includes expected rate of travel.	In addition, the Traffic Pro II/7800 database does not include expected rate of travel. This term has not been construction, expected time of arrival ("ETA") should not be the same thing as the
	expected rate of travel. In addition, the claim requires that the expected rate be included within the database itself, so if the ETA is derived based on other information (either inside or outside of the database) then this
	should not be the same as including the expected travel time in the database itself.
19. The automobile navigation system of claim 1 wherein said map database includes a database of service locations.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
21. The automobile navigation system of claim 1 further comprising means for updating said map database.	This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the Traffic Pro II/7800 does not include either the structure or functionality required by this

3	
MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no	41. The automobile navigation system of claim I wherein
measuring direction.	gyroscope.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, measuring the vehicle rate of change of the steering angle should be construed to be different than	40. The automobile navigation system of claim I wherein said position sensing apparatus measures direction with a
MIII has not come forward with any evidence that purports to show infringement of this claim by any Traffic Pro II/7800 device.	so. I ne automobile navigation system of claim I wherein said position sensing apparatus measures displacement with an odometer.
direction.	
aside from the possibility that a few early Traffic Pro II/7800 systems that may have been sold with connected	and direction sensors installed in the automobile.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, as sold by Harman, none of the Traffic Pro II/7800 systems included displacement sensors. Also,	35. The automobile navigation system of claim 1 wherein said position sensing apparatus comprises displacement
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	
evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device.	said location system employs map matching.
MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no	34. The automobile navigation system of claim 1 wherein
AN MARIY A A V ALI (UVV WY INVI	reckoning) system.
Traffic Pro H/7800 device	said location system is a position-keeping (dead-
MIT has not come forward with any evidence that nurnorts to show infringement of this claim by any	32. The automobile navigation system of claim 1 wherein
	calculation of the new route is completed.
	begin from the location of the automobile at the time the
AN MARKY A LV ARI / UVV HE / IVVI	the automobile is in motion, wherein said new route will
Traffic Pro II/7800 device	said route finder is adapted to calculate a new route while
	29. The automobile pavioation system of claim 1 wherein
	exists.
or otherwise).	moint of the enter if a better route from the current location
due to errors (either by the user or the system) or	the route is unnavigable due to unforeseen circumstances,
and is indifferent as to why it must be done. The Traffic Pro route finder does not differentiate between having	driver or vehicle navigation system makes an error or if
In addition, the Traffic Pro II/7800 does not take into consideration any reason why a route must be recalculated	said route finder is adapted to calculate a new route if the
	simplicity.
should not be construed to be synonymous with simplicity.	to any one of three cost metrics: distance, speed,
	said route finder is adapted to find a best route according
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	27. The automobile navigation system of claim 1 wherein
MIT has not come forward with any evidence that purports to show infringement of this claim by any Traffic Pro II/7800 device.	24. Ine automobile navigation system of claim I wherein said route finder is based on a best-first search algorithm.
	the map has minimum accuracy of 10 meters.
MIT has not come forward with any evidence that purports to show infringement of this claim by any	23. The automobile navigation system of claim 1 wherein
same as updating <i>said</i> (single) database. In addition, the Traffic Pro II/7800 database cannot be updated, altered, or replaced by use of a radio broadcast.	
- 1	

					
54. The autom said discourse stored in said to the requirer	49. The autom said driver in indicate to sai instruction precomplete for calculated.	45. The autors said discourse an act given sand a short de performed. 46. The autor said long desc	forced-turn, U-turn, enter, rotary, exit-rotary, fork, tu 44. The automobile navig: said discourse generated f function for each intersect description given the leng description and the positic instruction is to be given.	42. The auton each intersect taxonomy of i generated in r its type.	said discourse programming
54. The automobile navigation system of claim 1 wherein said discourse generator is responsive to a user-model stored in said computing apparatus to customize discourse to the requirements and preferences of said driver.		ation system of claim 1 wherein omprises a long description of before the act is to be performed ren at the time the act is to be at its to be at its to be at its system of claim 45 wherein udes cues.	exit, onto-rotary, stay-on- irn, and stop. ation system of claim 42 wherein ourther depends on a description ion type which generates a th and tense of the desired on along the route from which an	42. The automobile navigation system of claim 1 wherein each intersection in a route is classified into one type in a taxonomy of intersection types, and the disclosure generated in relation to each said intersection depends on its type. 43. The automobile navigation system of claim 42 wherein	
MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device. In addition, this claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the Traffic Pro II/7800 does not include such a feature, and MIT's infringement chart provides no basis for concluding otherwise. The option to choose between a particular language or a male or female voice	MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device. In addition, this claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the Traffic Pro II/7800 does not include any way for a user to indicate that a given instruction provided by said system is impossible to complete for some reason. At most, the Harman systems simply include a way to request a new route calculation, without providing any such explanation or reason for the requirement.	The automobile navigation system of claim 1 wherein discourse generated comprises a long description of evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device. act given substantially before the act is to be performed as short description given at the time the act is to be formed. In addition, this claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, this claim is not infringed because no instruction is given at the time the act is to be performed. The automobile navigation system of claim 45 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any traffic Pro II/7800 device.	forced-turn, U-turn, enter, exit, onto-rotary, stay-on-rotary, exit-rotary, fork, turn, and stop. 44. The automobile navigation system of claim 42 wherein function for each intersection types required by this claim. This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above. II/7800 includes each of the recited intersection types required by this claim. This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above. III addition, the evidence cited in MIT's Traffic Pro II/7800 claim chart does not establish that the Tra	42. The automobile navigation system of claim 1 wherein reach intersection in a route is classified into one type in a taxonomy of intersection types, and the disclosure generated in relation to each said intersection depends on its type. 43. The automobile navigation system of claim 42 wherein This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above.	evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device. This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, whether the Human Machine Interface uses a layered software architecture and object oriented design is irrelevant to the issue of infringement of this claim. In addition, the Traffic Pro II/7800 does not use object-oriented programming for instruction generation/instruction giving.

In addition, this claim is not infringed because claim 1 is not infringed for the reasons stated above.	
56. The automobile navigation system of claim 1 wherein MIT's infringement claim chart, which addresses only other products with respect to this limitation, sets forth no said speech generator uses digitized speech. evidence relating to the issue of whether this limitation is met by the Traffic Pro II/7800 device.	56. The automobile navigation system of claim 1 wherein said speech generator uses digitized speech.
that is not stored as a user-model, and/or which does not affect or customize in any way the discourse should not be construed to be within the scope of this claim.	

Talent Coo.	Non-infringement of the DDA Deviced
 An automobile navigation system which produces spoken instructions to direct a driver of an automobile to a 	
Committee control for a surface district surge.	
computing apparatus for running and coordinating system processes,	
driver input means functionally connected to said	None of the RB4 devices include this limitation. First, no RB4 has ever had a keyboard or equivalent structure.
computing apparatus for entering data into said computing	
apparatus, said data including a desired destination,	
a map database functionally connected to said computing apparatus which distinguishes between physical and legal connectivity.	
position sensing apparatus installed in the automobile and	The GPS satellites referred to in MIT's infringement chart are not "installed in the automobile," and GPS
functionally connected to said computing apparatus for	
providing said computing apparatus data for determining	t, the RB4 was
a location system functionally connected to said	The RB4 did not determine any relative man position. Instead it was based on absolute mon locations.
computing apparatus for accepting data from said position	
sensing apparatus, for consulting said map database, and for determining the automobile's current position relative to the map database.	
a route-finder functionally connected to said computing	As noted above, the RB4 did not include the required "driver input means" and "map database" recited in this
apparatus, for accepting the desired destination from said	limitation. In addition, the RB4 did not compute a route to the destination. Instead, the route finder took an iterative approach that interpolated a route from both and the learning and the limitation.
location system, for consulting said map database, and for computing a route to the destination.	
a discourse generator functionally connected to said	The RB4 did not "compose discourse including instructions and other messages for directing the driver to the
computing apparatus for accepting the current position	destination." First, it is unclear how MIT construes the term "discourse," but to the extent MIT requires
from said location system and the route from said route	something more for "discourse" other than the plain and ordinary meaning of "Verbal expression in speech or
finder, for consulting said map database, and for	writing," then the RB4 did not meet such requirements. Second, MIT's claim chart provides no basis to
composing discourse including instructions and other messages for directing the driver to the destination from the current position.	conclude that the RB4 provided "other information for directing the driver to the destination."
a speech generator functionally connected to said	MIT has not identified any speech generator in its claim chart with respect to the RB4, but merely cites to

To the extent MIT contends that RB3 devices, which were not sold in the United States, are within the scope of this case, Harman's arguments with respect to RB4 apply equally to the RB3 system, as well.

discourse provided by said discourse generator, and	
	As sold by Harman, the RB4 system did not include any voice apparatus/speakers. The RB4 could be
speech generator to said driver.	which users may or may not have connected a RB4 system to other third-party speaker systems.
2. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
said map database comprises a set of straight line segments	t chart provides a bas
and a set of nodes, each endpoint of each segment being a continuous to a node representing the coordinates of the	arrangement is present in any RB4 device.
endpoint and the set of other segments which are	
physically and legally connected to that endpoint.	
vherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
ree-dimensional	In addition, the RB4 map does not include three-dimensional representation of street topology. The third
representation of street topology.	number included for some particular locations is only used to represent which roads are above others by use of a relative indicator (-1, 0, 1 or 2, for example), but this is not a third coordinate, and is not a three-dimensional
	representation of street topology.
	In addition, this claim requires the map itself include such a representation and does not cover the use of GPS to determine altitude.
Ħ.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
said map database menudes measures of street quanty.	In addition, the quality of the street is unimportant to (and not included in) the RB4 map, which instead relies on a relative rating of street functionality, in which even streets with relatively high functionality can be of noor
	street quality. The classes of roads in Harman's map database (cited in MIT's claim chart) are not based on
9. The automobile navigation system of claim 1 wherein said man darabase distinguishes divided streets	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above
f claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
丄	This relain is not infined heaves used in the Color tooks not include above infines.
said map database includes expected rate of travel.	In addition, the RB4 database does not include expected rate of travel. Expected time of arrival ("ETA") should
	not be construed to be the same thing as the expected rate of travel. In addition, the claim requires that the
	expected rate be included within the database itself, so if the ETA is derived based on other information (either inside or outside of the database) then this should not be construed to be the carried as including the accepted
	travel time in the database itself.
19. The automobile navigation system of claim 1 wherein said man database includes a database of service locations	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	In addition, the RB4 does not include either the structure or functionality required by this limitation. The
	replacement of one complete database with a second, different, complete database is not the same as updating said (single) database. In addition, the RB4 database cannot be undated, altered, or replaced by use of a radio
	broadcast.
23. The automobile navigation system of claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any

the map has minimum accuracy of 10 meters.	RB4 device.
im 1 wherein h algorithm.	MIT has not come forward with any evidence that purports to show infringement of this claim by any
	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
cording	according to s
	construed to be synonymous with simplicity.
tomobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
n	In addition, the RB4 does not take into consideration any reason why a route must be recalculated and is
	indifferent as to why it must be done. The RB4 route finder does not differentiate between having to recalculate
wherein said new route does not simply hacktrack to the	cute to errors (either by the user or the system) or unnavigability due to circumstances (unforeseen or otherwise).
point of the error if a better route from the current location	
exists.	
29. The automobile navigation system of claim 1 wherein Thi	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	In addition, the RB4 does not determine where the automobile will be at the time the calculation of the new route
	is completed and is not adapted to calculate a new route to begin at such a location.
calculation of the new route is completed.	
claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
im 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
ement	In addition, as sold by Harman, none of the RB4 systems included displacement sensors or anything installed in
and direction sensors installed in the automobile. the	the vehicle that could sense direction.
Ħ.	MIT has not come forward with any evidence that purports to show infringement of this claim by any
with an odometer,	RB4 Qevice.
e navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	roportional to the rot
L	synonymous with measuring direction.
Ħ.	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
pased on an object-oriented	n addition, the kB4 does not use object-oriented programming for instruction generation/instruction giving, and
┸	понин и или в свят ргомиса впу смислее то тве соптату.
42. The automobile navigation system of claim I wherein Thi	This claim is not infringed because claim I is not infringed for the reasons stated above.
taxonomy of intersection types and the discourse	
generated in relation to each said intersection depends on	
its type.	

This claim is not infringed because claim 1 is not infringed for the reasons stated above.	36. The automobile navigation system of claim I wherein said speech generator uses digitized speech.
claim.	to the requirements and preferences of said driver.
In addition, the option to choose between a particular language that is not stored as a user-model, and/or which does not affect or customize in any way the discourse should not be construed to be within the scope of this	said discourse generator is responsive to a user-model stored in said computing apparatus to customize discourse
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	54. The automobile navigation system of claim 1 wherein
	complete for some reason and that a new route must be calculated.
system is impossible to complete for some reason. At most, the Harman systems simply include a way to request a new route calculation, without providing any such explanation or reason for the requirement.	instruction provided by said system is impossible to
In addition, the RB4 does not include any way for a user to indicate that a given instruction provided by said	said driver input means includes means for said driver to
This plains is not infiling at Language 11:- 1:- 1:- 1:- 1:- 1:- 1:- 1:- 1:- 1:	10 The automobile payingtion system of claim 1 wherein
true "repeat" function, contrary to the statements in the user manual.	demand immediate instructions, or clarification or
In addition, the RB4 does not include any means to demand clarification of instructions, and does not include a	said driver input means includes means for said driver to
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	48. The automobile navigation system of claim 1 wherein
In addition, the evidence cited in MIT's chart provides no basis for concluding that this limitation is met.	
46. The automobile navigation system of claim 45 wherein This claim is not infringed because claims 1 and 45 are not infringed for the reasons stated above. said long descriptions includes cues.	46. The automobile navigation system of claim 45 whereir said long descriptions includes cues.
me act is to be performed, but instead are provided eartier, in advance of such time.	performed.
an act given substantially before the act is to be performed in addition, the evidence cited in MIT's chart establishes that no instructions or descriptions are given at the time of the cities of th	an act given substantially before the act is to be performed
	said discourse generated comprises a long description of
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	45. The automobile navigation system of claim 1 wherein
	instruction is to be given.
	description and the position along the route from which an
-	description given the length and tense of the desired
m audition, the evidence ched in ML1's RB4 Claim charl does not establish that any device sansines this claim.	function for each intersection type which generates a
44. The automobile navigation system of claim 42 wherein This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above.	44. The automobile navigation system of claim 42 wherein
	rotary, exit-rotary, fork, turn, and stop.
recited intersection types required by this claim.	forced-turn, U-turn, enter, exit, onto-rotary, stay-on-
In addition, the evidence cited in MIT's RB4 claim chart does not establish that any device includes each of the	said taxonomy of intersection types includes continue,
43. The automobile navigation system of claim 42 wherein This claim is not infringed because claims 1 and 42 are not infringed for the reasons stated above.	43. The automobile navigation system of claim 42 whereir

'685 Patent		Non-infringement of the Harley-Davidson Device
 An autom spoken instru destination in 	1. An automobile navigation system which produces spoken instructions to direct a driver of an automobile to a destination in real time comprising:	
computing approcesses,	computing apparatus for running and coordinating system processes,	
driver input n computing ap apparatus, sai	driver input means functionally connected to said computing apparatus for entering data into said computing apparatus, said data including a desired destination,	The Harley-Davidson device does not include this limitation. First, no Harley-Davidson device has ever had a keyboard or equivalent structure. Second, the Harley-Davidson device does not allow for entering data that includes a desired destination. Instead, a Harley-Davidson device user would select among data that has already been pre-input into the system.
a map databa apparatus wh connectivity,	a map database functionally connected to said computing apparatus which distinguishes between physical and legal connectivity,	As properly construed, the Harley-Davidson device database does not "distinguish∏ between physical and legal connectivity."
position sensi functionally c providing said the automobi	position sensing apparatus installed in the automobile and functionally connected to said computing apparatus for providing said computing apparatus data for determining the automobile's current position,	GPS satellites are not "installed in the automobile," and GPS receivers are not position sensors. In addition, the Harley-Davidson device, as sold by Harman, does not include any sensing apparatus for determining position. At most, the Harley-Davidson device was sold with equipment that could be used by the system to determine heading, which is not position.
a location system fur computing apparatus, for sensing apparatus, for for determining the a to the map database,	a location system functionally connected to said computing apparatus for accepting data from said position sensing apparatus, for consulting said map database, and for determining the automobile's current position relative to the map database,	The Harley-Davidson device does not determine any relative map position. Instead, it is based on absolute map locations. In addition, the Harley-Davidson device does not use a map database as claimed for the reason set forth above.
a route-finder apparatus, for driver input n location syste computing a	a route-finder functionally connected to said computing apparatus, for accepting the desired destination from said driver input means and the current position from said location system, for consulting said map database, and for computing a route to the destination,	As noted above, the Harley-Davidson device does not include the required "driver input means" and "map database" recited in this limitation. In addition, the Harley-Davidson device does not compute a route to the destination. Instead, the route finder takes an iterative approach that interpolates a route from both ends - the beginning and end - until a route is chosen, as opposed to calculating a route to the desired destination.
a discourse generate computing apparatu from said location s finder, for consultin composing discours messages for directifine current position.	or functionally connected to said s for accepting the current position s for accepting the current position ystem and the route from said route g said map database, and for e including instructions and other ng the driver to the destination from	The Harley-Davidson device does not "compose discourse including instructions and other messages for directing the driver to the destination." First, it is unclear how MIT construes the term "discourse," but to the extent MIT requires something more for "discourse" other than the plain and ordinary meaning of "Verbal expression in speech or writing," then the Harley-Davidson device does not meet such requirements. Second, MIT's claim chart provides no basis to conclude that the Harley-Davidson device provides "other information for directing the driver to the destination."
a speech gene discourse gen discourse pro	unctionally connected to said for generating speech from said y said discourse generator, and	MIT has not identified any speech generator in its claim chart with respect to the Harley-Davidson device, but merely cites to passages that indicate that audio may be outputted by the system.
voice apparan generator for speech genera	voice apparaths functionally connected to said speech generator for communicating said speech provided by said speech generator to said driver.	
2. The automosaid map data	The automobile navigation system of claim 1 wherein id map database comprises a set of straight line segments	2. The automobile navigation system of claim 1 wherein This claim is not infringed because claim 1 is not infringed for the reasons stated above. said map database comprises a set of straight line segments in addition, nothing in MIT's infringement chart indicates the particular database arrangement is present in any

TrafficPro device.	said route finder is based on a best-first search algorithm.
	24 The automobile navigation system of claim 1 wherein
the entire system) have a certain level of accuracy, which is not present in the map database used by the Harley- Davidson device.	
ability to track a vehicle within a certain accuracy. However, this claim requires that the map database itself (not	
In addition, MIT's claim chart provides no basis for infringement because it relies on the GPS system and its	the map has minimum accuracy of 10 meters.
This is the individual or or a region of the individual of the ind	73. The automobile participation gratem of claim 1 whomain
same as upuaning same (single) da daodase. In addition, the mailey-Davidson device database cannot be updated, Sitered or replaced by the offer radio broadcast	
limitation. The replacement of one complete database with a second, different complete database is not the	
In addition, the Harley-Davidson device does not include either the structure or functionality required by this	comprising means for updating said map database.
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	21. The automobile navigation system of claim 1 further
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	19. The automobile navigation system of claim 1 wherein said map database includes a database of service locations.
including the expected travel time in the database itself.	
other information (either inside or outside of the database) then this should not be construed to be the same as	
claim requires that the expected rate be included within the database itself, so if the ETA is derived based on	
arrival ("ETA") should not be construed to be the same thing as the expected rate of travel. In addition, the	
In addition, the Harley-Davidson device database does not include expected rate of travel. Expected time of	said map database includes expected rate of travel.
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	13. The automobile navigation system of claim 1 wherein
In addition, the Harley-Davidson device database used in the U.S. does not include speed limits.	said map database includes speed limits.
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	12. The automobile navigation system of claim I wherein
The second secon	said map database includes lane information.
This claim is not infringed because claim 1 is not infringed for the reasons stated above	11. The automobile navigation system of claim 1 wherein
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	The automobile navigation system of claim 1 wherein said map database distinguishes divided streets.
chart) are not based on street quality.	
functionality can be of poor street quality. The classes of roads in Harman's map database (cited in MIT's claim	
un adminour, die quantry of the sueer is immiporiant to (and not included in) the Harley-Davidson device map, which instead relies on a relative rating of street functionality in which even streets with relative by high	said imp damoast invitues incasmes of sheet quality.
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	8. The automobile navigation system of claim 1 wherein
determine altitude.	
a three-dimensional representation of street topology.	
above others by use of a relative indicator (-1, 0, 1 or 2, for example), but this is not a third coordinate, and is not	
	representation of street topology.
In addition, the Harley-Davidson device map does not include three-dimensional representation of street	said map database comprises a three-dimensional
This claim is not infringed because claim 1 is not infringed for the reasons stated above	7. The automobile navigation system of claim 1 wherein
	physically and legally connected to that endpoint,
	pointer to a node representing the coordinates of the
Harley-Davidson device.	and a set of nodes, each endpoint of each segment being a
	4

27. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above
	In addition, the Harley-Davidson device cannot find a best route according to simplicity. Avoidance of certain
	streets should not be construed to be synonymous with simplicity.
28. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	=
	recalculated and is indifferent as to why it must be done. The route finder does not differentiate between having
· ·	to recalculate due to errors (either by the user or the system) or unnavigabilty due to circumstances (unforeseen
wherein said new route does not simply backtrack to the	or otherwise).
Ħ	
exists.	
29. The automobile navigation system of claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
	Harley-Davidson device.
begin from the location of the automobile at the time the	
calculation of the new route is completed.	
claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
	Harley-Davidson device,
reckoning) system.	
34. The automobile navigation system of claim I wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
	Harley-Davidson device.
m 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
ement	In addition, as sold by Harman, none of the Harley-Davidson devices include displacement sensors. Also, none
and direction sensors installed in the automobile.	of the Harley-Davidson device systems included anything installed in the vehicle that can sense direction.
36. The automobile navigation system of claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
said position sensing apparatus measures displacement	Harley-Davidson device.
40. The automobile navigation system of claim 1 wherein	This claim is not infringed because claim 1 is not infringed for the reasons stated above.
	In addition, measuring the vehicle rate of change of the steering angle should not be construed to be the same as
_	measuring direction.
41. The automobile navigation system of claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
	Harley-Davidson device.
42. The automobile navigation system of claim 1 wherein	MIT has not come forward with any evidence that purports to show infringement of this claim by any
	Harley-Davidson device.
generated in relation to each said intersection depends on	
its type.	
43. The automobile navigation system of claim 42 wherein	43. The automobile navigation system of claim 42 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any
said taxonomy of intersection types includes continue,	Harley-Davidson device.
rotary, exit-rotary, fork, turn, and stop.	

In addition, this claim is not infringed because claim 1 is not infringed for the reasons stated above.	
MIT's infringement claim chart, which addresses only other products (including non-U.S. products) with respect to this claim, sets forth no evidence relating to the issue of whether this claim is met by the Harley-Davidson device.	56. The automobile navigation system of claim I wherein said speech generator uses digitized speech.
this claim.	to the requirements and preferences of said driver.
which does not affect or customize in any way the discourse should not be construed to be within the scope of	stored in said computing apparatus to customize discourse
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the option to choose between a particular language or units that is not stood as a real condition.	54. The automobile navigation system of claim 1 wherein said discourse generator is responsive to a user-model
requirement.	complete for some reason and that a new route must be calculated.
include a way to request a new route calculation, without providing any such explanation or reason for the	instruction provided by said system is impossible to
provided by said system is impossible to complete for some reason. At most, the Harman systems simply	indicate to said automobile navigation system that a given
In addition, the Harley-Davidson device does not include any way for a user to indicate that a given instruction	said driver input means includes means for said driver to
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	49. The automobile navigation system of claim 1 wherein
	repetition of instructions already provided.
does not include a true "repeat" function, contrary to the statements in the user manual	demand immediate instructions, or clarification or
In addition, the Harley-Davidson device does not include any means to demand clarification of instructions, and	said driver input means includes means for said driver to
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	48. The automobile navigation system of claim 1 wherein
Harley-Davidson device.	said long descriptions includes cues.
46. The automobile navigation system of claim 45 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any	46. The automobile navigation system of claim 45 wherein
(the bargraph) indicates when to perform the act, not a verbal description.	performed.
description is given at the time the act is to be performed. To the contrary, it establishes that a visual display	and a short description given at the time the act is to be
an act given substantially before the act is to be performed in addition, the evidence cited in MIT's claim chart provides no basis to conclude that any instruction/short	an act given substantially before the act is to be performed
	said discourse generated comprises a long description of
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	45. The automobile navigation system of claim 1 wherein
	instruction is to be given.
	description and the position along the route from which an
	description given the length and tense of the desired
,	function for each intersection type which generates a
Harley-Davidson device.	said discourse generated further depends on a description
44. The automobile navigation system of claim 42 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any	44. The automobile navigation system of claim 42 wherein

	Non-infringement of the NTG4 Device ¹
An automobile navigation system which produces spoken instructions to direct a driver of an automobile to a	1. An automobile navigation system which produces The citation in MIT's claim chart to page 184 of Mr. Radomski's deposition transcript, where Mr. Radomski is spoken instructions to direct a driver of an automobile to a not talking about HAR 026022 or the NR2 system provides no support for a finding that this preamble is met by
destination in real time comprising:	the NTG4 system.
	The citation in MIT's claim chart to page 231 of Mr. Radomski's deposition transcript, where Mr. Radomski is not talking about spoken directions, provides no support for a finding that this preamble is met by the NTG4 system.
computing apparatus for running and coordinating system processes,	The citation in MIT's claim chart to the presentation at PX22, which is not a final specification of any NTG4 product, provides no basis to prove that the eventual design of the NTG4 product will meet this limitation.
	The citation in MIT's claim chart to pages 231-32 of Mr. Radomski's deposition transcript, where Mr. Radomski is not talking about any computing apparatus for the NTG4, provides no support for a finding that this limitation is met by the NTG4 system.
driver input means functionally connected to said computing apparatus for entering data into said computing apparatus, said data including a desired destination,	The NTG4 device will not include this limitation. First, no NTG4 will have a keyboard or equivalent structure. Second, the NTG4 will not allowed for inputting data into the computer that includes a desired destination. Instead, a NTG4 user will select among data that has already been pre-input into the Harman U.S. system.
a map database functionally connected to said computing apparatus which distinguishes between physical and legal connectivity,	As properly construed, the NTG4 database will not "distinguish[] between physical and legal connectivity."
position sensing apparatus installed in the automobile and functionally connected to said computing apparatus for providing said computing apparatus data for determining the automobile's current position,	GPS satellites are not "installed in the automobile" and GPS receivers are not position sensors. In addition, a gyroscope does not sense position, and no vehicle speed sensors are included in the NTG4 systems that are built and sold by Harman.
a location system functionally connected to said computing apparatus for accepting data from said position sensing apparatus, for consulting said map database, and for determining the automobile's current position relative to the map database.	The NTG4 will not determine any relative map position. Instead, it will be based on absolute map locations. In addition, the NTG4 will not use a map database as claimed for the reason set forth above.
a route-finder functionally connected to said computing apparatus, for accepting the desired destination from said driver input means and the current position from said location system, for consulting said map database, and for computing a route to the destination,	As noted above, the NTG4 will not include the required "driver input means" and "map database" recited in this limitation. In addition, the NTG4 will not compute a route to the destination. Instead, the route finder will take an iterative approach that interpolated a route from both ends - the beginning and end - until a route is chosen, as opposed to calculating a route to the desired destination.

The NTG4 device is a future product that is still under development and for which the design has yet to be finalized. There have been no sales, offers to sell, or importation of the NTG4 device. At most, prototypes for which designed have not been finalized have been made and used by Harman. This chart is based on Harman's current knowledge of the design as it exists today, but that design is potentially subject to change.

MIT has not come forward with any evidence that purports to show infringement of this claim by any NTG4 device.	21. The automobile navigation system of claim 1 further comprising means for updating said map database.
NTG4 device.	said map database includes a database of service locations.
MIT has not come forward with any evidence that purports to show infringement of this claim by any	19. The automobile navigation system of claim 1 wherein
MIT has not come forward with any evidence that purports to show infringement of this claim by any NTG4 device.	13. The automobile navigation system of claim 1 wherein said map database includes expected rate of travel.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the NTG4 database that will be used in the U.S. does not include speed limits.	12. The automobile navigation system of claim 1 wherein said map database includes speed limits.
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	 The automobile navigation system of claim 1 wherein said map database includes lane information.
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	The automobile navigation system of claim 1 wherein said map database distinguishes divided streets.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the quality of the street is unimportant to (and not included in) the NTG4 map, which instead relies on a relative rating of street functionality, in which even streets with relatively high functionality can be of poor street quality. The classes of roads in Harman's map database (cited in MIT's claim chart) are not based on street quality.	8. The automobile navigation system of claim 1 wherein said map database includes measures of street quality.
This claim is not infringed because claim 1 is not infringed for the reasons stated above. In addition, the NTG4 map does not include three-dimensional representation of street topology. The third number included for some particular locations is only used to represent which roads are above others by use of a relative indicator (-1, 0, 1 or 2, for example), but this is not a third coordinate, and is not a three-dimensional representation of street topology.	7. The automobile navigation system of claim 1 wherein said map database comprises a three-dimensional representation of street topology.
2. The automobile navigation system of claim 1 wherein any said map database comprises a set of straight line segments in addition, nothing in MIT's infringement chart indicates the particular database arrangement is present in any and a set of nodes, each endpoint of each segment being a NTG4 device. Pointer to a node representing the coordinates of the endpoint and the set of other segments which are physically and legally connected to that endpoint.	2. The automobile navigation system of claim 1 wherein said map database comprises a set of straight line segments and a set of nodes, each endpoint of each segment being a pointer to a node representing the coordinates of the endpoint and the set of other segments which are physically and legally connected to that endpoint.
As sold by Harman, the NTG4 system did not include any voice apparatus/speakers. The NTG4 could be completely operational without being connected to speakers, and Harman has no knowledge as to which users may not connect a NTG4 system to other third-party speaker systems.	voice apparatus functionally connected to said speech generator for communicating said speech provided by said speech generator to said driver.
MIT has not identified any speech generator in its claim chart with respect to the NTG4, but merely cites to passages that indicate that audio may be outputted by the system.	a speech generator functionally connected to said discourse generator for generating speech from said discourse provided by said discourse generator, and
The NTG4 will not "compose discourse including instructions and other messages for directing the driver to the destination." First, it is unclear how MIT construes the term "discourse," but to the extent MIT requires something more for "discourse" other than the plain and ordinary meaning of "Verbal expression in speech or writing," then the NTG4 will not meet such requirements. Second, MIT has cited no evidence that any "other information for directing the driver to the destination" will be presented by the NTG4 system.	a discourse generator functionally connected to said computing apparatus for accepting the current position from said location system and the route from said route finder, for consulting said map database, and for composing discourse including instructions and other messages for directing the driver to the destination from the current position.

	ite type
	generated in relation to each said intersection depends on
	taxonomy of intersection types, and the disclosure
NTG4 device.	each intersection in a route is classified into one type in a
MIT has not come forward with any evidence that purports to show infringement of this claim by any	42. The automobile navigation system of claim 1 wherein
	programming methodology.
NTG4 device.	said discourse generator is based on an object-oriented
MIT has not come forward with any evidence that purports to show infringement of this claim by any	41. The automobile navigation system of claim 1 wherein
support for a finding that this preamble is met by the NIG4 system.	gyroscope.
finding that this limitation is met by the NTG4 system. The citation to HAR 026022 similarly provides no	said position sensing apparatus measures direction with a
The citation in MIT's claim chart to page 184 of Mr. Radomski's deposition transcript provides no support for a	40. The automobile navigation system of claim 1 wherein
	with an odometer.
NTG4 device.	said position sensing apparatus measures displacement
MIT has not come forward with any evidence that purports to show infringement of this claim by any	36. The automobile navigation system of claim 1 wherein
	and direction sensors installed in the automobile.
In addition, as sold by Harman, none of the NTG4 systems will include displacement or direction sensors.	said position sensing apparatus comprises displacement
This claim is not infringed because claim 1 is not infringed for the reasons stated above.	35. The automobile navigation system of claim 1 wherein
NTG4 device.	said location system employs map matching.
MIT has not come forward with any evidence that purports to show infringement of this claim by any	34. The automobile navigation system of claim 1 wherein
	reckoning) system.
NTG4 device.	said location system is a position-keeping (dead-
MIT has not come forward with any evidence that purports to show infringement of this claim by any	32. The automobile navigation system of claim 1 wherein
	calculation of the new route is completed.
	begin from the location of the automobile at the time the
	the automobile is in motion, wherein said new route will
NTG4 device.	said route finder is adapted to calculate a new route while
MIT has not come forward with any evidence that purports to show infringement of this claim by any	29. The automobile navigation system of claim 1 wherein
	exists.
	point of the error if a better route from the current location
	wherein said new route does not simply backtrack to the
	the route is unnavigable due to unforeseen circumstances,
	driver or vehicle navigation system makes an error or if
	said route finder is adapted to calculate a new route if the
MIT has not come forward with any evidence that purports to show infringement of this claim by any	28. The automobile navigation system of claim 1 wherein
	simplicity.
	to any one of three cost metrics: distance, speed,
	said route finder is adapted to find a best route according
MIT has not come forward with any evidence that purports to show infringement of this claim by any	27. The automobile navigation system of claim 1 wherein
	said route finder is based on a best-first search algorithm.
MIT has not come forward with any evidence that purports to show infringement of this claim by any	24. The automobile navigation system of claim 1 wherein
NTG4 device.	the map has minimum accuracy of 10 meters.
MIT has not come forward with any evidence that nurnorts to show infrincement of this claim by any	23. The automobile navigation system of claim I wherein

	said speech generator uses digitized speech.
MIT has not come forward with any evidence that purports to show infringement of this claim by any	56. The automobile navigation system of claim 1 wherein
	to the requirements and preferences of said driver.
	stored in said computing apparatus to customize discourse
NTG4 device.	said discourse generator is responsive to a user-model
MIT has not come forward with any evidence that purports to show infringement of this claim by any	54. The automobile navigation system of claim 1 wherein
	calculated.
	complete for some reason and that a new route must be
	instruction provided by said system is impossible to
	indicate to said automobile navigation system that a given
	said driver input means includes means for said driver to
MIT has not come forward with any evidence that purports to show infringement of this claim by any	49. The automobile navigation system of claim 1 wherein
	repetition of instructions already provided.
	demand immediate instructions, or clarification or
	said driver input means includes means for said driver to
MIT has not come forward with any evidence that purports to show infringement of this claim by any	48. The automobile navigation system of claim 1 wherein
NTG4 device.	said long descriptions includes cues.
46. The automobile navigation system of claim 45 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any	46. The automobile navigation system of claim 45 wherei
	performed.
	and a short description given at the time the act is to be
	an act given substantially before the act is to be performed
	said discourse generated comprises a long description of
MIT has not come forward with any evidence that purports to show infringement of this claim by any	45. The automobile navigation system of claim 1 wherein
	instruction is to be given.
	description and the position along the route from which an
	description given the length and tense of the desired
	function for each intersection type which generates a
,	said discourse generated further depends on a description NTG4 device.
44. The automobile navigation system of claim 42 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any	44. The automobile navigation system of claim 42 wherei
	rotary, exit-rotary, fork, turn, and stop.
	forced-turn, U-turn, enter, exit, onto-rotary, stay-on-
	said taxonomy of intersection types includes continue,
43. The automobile navigation system of claim 42 wherein MIT has not come forward with any evidence that purports to show infringement of this claim by any	43. The automobile navigation system of claim 42 wherei

EXHIBIT J

Page 2 of 16

--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.)) (Cite as: --- F.3d ----)

Briefs and Other Related Documents 02 Micro Intern. Ltd. v. Monolithic Power Systems, Inc.C.A.Fed. (Cal.),2006.Only the Westlaw citation is currently available.

United States Court of Appeals, Federal Circuit. 02 MICRO INTERNATIONAL LIMITED, Plaintiff/Counterclaim Defendant-Appellant, and02 Micro, Inc., Counterclaim Defendant-Appellant,

MONOLITHIC POWER SYSTEMS, INC., Defendant/Counterclaimant-Appellee. No. 06-1064.

Nov. 15, 2006.

Background: Suit was brought alleging infringement of patent disclosing a circuit for converting the direct current supplied by laptop batteries into the alternating current required for the cold cathode fluorescent lamps that provide the lighting for computer monitors. The United States District Court for the Northern District of California, Claudia Wilken, J., granted summary judgment of non-infringement in favor of defendant, and plaintiff appealed.

Holdings: The Court of Appeals, Dyk, Circuit Judge, held that:

- (1) issues concerning the validity and interpretation of local patent rules were governed by the law of regional circuit, rather than Federal Circuit;
- (2) local patent rules validly prohibited amendments to infringement and invalidity contentions based on new information developed in discovery without showing of diligence; and
- (3) court did not abuse its discretion in finding a lack of diligence and therefore a lack of "good cause " warranting amendment of movant's infringement

contentions.

Affirmed.

[1] Courts 106 \$\infty\$96(7)

106 Courts

106II Establishment, Organization, and Procedure

106II(G) Rules of Decision

106k88 Previous Decisions as Controlling or as Precedents

106k96 Decisions of United States Courts as Authority in Other United States Courts

106k96(7) k. Particular Questions

or Subject Matter. Most Cited Cases Issues concerning the validity and interpretation of local patent rules, which were intimately involved in the substance of enforcement of the patent right, were governed by the law of regional circuit, rather than Federal Circuit; local rules were not only unique to patent cases but also were likely to directly affect the substantive patent law theories that could be presented at trial. U.S. Dist. Ct. N.D. Cal. Patent L.R. 3-1-3-7.

[2] Courts 106 \$\infty\$ 96(7)

106 Courts

106II Establishment, Organization, and Procedure

106II(G) Rules of Decision

106k88 Previous Decisions as Controlling or as Precedents

106k96 Decisions of United States Courts as Authority in Other United States Courts

106k96(7) k. Particular Questions

or Subject Matter. Most Cited Cases

A procedural issue that is not itself a substantive patent law issue is nonetheless governed by Federal Circuit law if the issue pertains to patent law, if it bears an essential relationship to matters committed

© 2006 Thomson/West. No Claim to Orig. U.S. Govt. Works.

--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.)) (Cite as: --- F.3d ----)

Page 2

Page 3 of 16

to court's exclusive control by statute, or if it clearly implicates the jurisprudential responsibilities of court in a field within its exclusive jurisdiction.

[3] Federal Civil Procedure 170A 25

170A Federal Civil Procedure
170AI In General
170AI(B) Rules of Court in General
170AI(B)1 In General
170Ak25 k. Local Rules of District
Courts. Most Cited Cases
To be valid, local rules must be consistent with both

To be valid, local rules must be consistent with both acts of Congress and the Federal Rules of Civil Procedure. 28 U.S.C.A. § 2071(a); Fed.Rules Civ.Proc.Rule 83(a)(1), 28 U.S.C.A.

[4] Federal Civil Procedure 170A 25

170A Federal Civil Procedure
170AI In General
170AI(B) Rules of Court in General
170AI(B)1 In General
170Ak25 k. Local Rules of District
Courts. Most Cited Cases

A local rule need not be directly contradictory to a federal rule to be invalid; a local rule that is inconsistent with the purposes of a federal rule is also invalid. 28 U.S.C.A. § 2071(a); Fed.Rules Civ.Proc.Rule 83(a)(1), 28 U.S.C.A.

[5] Patents 291 €-310.11

291 Patents
291XII Infringement
291XII(C) Suits in Equity
291k309 Pleading

291k310.11 k. Amended and Supplemental Pleadings. Most Cited Cases Local patent rules validly prohibited amendments to infringement and invalidity contentions based on new information developed in discovery without showing of diligence; good cause standard alone did not warrant amendment without regard to diligence of the party seeking to amend. U.S. Dist. Ct. N.D. Cal. Patent L.R. 3-6, 3-7.

[6] Patents 291 310.11

291 Patents

291XII Infringement
291XII(C) Suits in Equity
291k309 Pleading
291k310.11 k. Amended and
Supplemental Pleadings. Most Cited Cases
Under California's local patent rules, burden is on
the movant to establish diligence warranting
amendments to infringement and invalidity
contentions. U.S. Dist. Ct. N.D. Cal. Patent L.R.
3-6, 3-7.

[7] Patents 291 5-324.5

291 Patents
291XII Infringement
291XII(C) Suits in Equity
291k324 Appeal

291k324.5 k. Scope and Extent of Review in General. Most Cited Cases
Decisions enforcing local rules in patent cases will be affirmed unless clearly unreasonable, arbitrary, or fanciful, based on erroneous conclusions of law, clearly erroneous, or unsupported by any evidence.

[8] Patents 291 €=310.11

291 Patents
291XII Infringement
291XII(C) Suits in Equity
291k309 Pleading

291k310.11 k. Amended and Supplemental Pleadings. Most Cited Cases District court did not abuse its discretion in finding a lack of diligence and therefore a lack of "good cause" warranting amendment of movant's infringement contentions under local patent rules, given the three-month delay between new information learned during discovery and motion to amend and the lack of adequate explanation for that delay. U.S. Dist. Ct. N.D. Cal. Patent L.R. 3-6, 3-7.

[9] Patents 291 € 292.4

291 Patents
291XII Infringement
291XII(C) Suits in Equity
291k292 Discovery
291k292.4 k. Other Matters. Most

--- F.3d ------- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.)) (Cite as: --- F.3d ----)

Page 3

Cited Cases

In patent infringement action, court did not abuse its discretion in excluding untimely supplemental expert evidence not disclosed in original expert report. Fed.Rules Civ.Proc.Rules 26(a)(2), 37(c)(1), 28 U.S.C.A.

[10] Patents 291 = 292.4

291 Patents

291XII Infringement 291XII(C) Suits in Equity 291k292 Discovery

291k292.4 k. Other Matters, Most

Cited Cases

Exclusion of evidence was appropriate sanction for failure to comply with the disclosure deadlines required by local patent rules and the case management order. Fed.Rules Civ.Proc.Rule 37(c)(1), 28 U.S.C.A.

Patents 291 \$\iii 328(2)

291 Patents

291XIII Decisions on the Validity, Construction, and Infringement of Particular Patents

291k328 Patents Enumerated

291k328(2) k. Original Utility. Most Cited

Cases

Patents 291 \$\iinspec 328(2)

291 Patents

291XIII Decisions on the Validity, Construction, and Infringement of Particular Patents

291k328 Patents Enumerated

291k328(2) k. Original Utility. Most Cited

Cases

6,259,615. Not Infringed.

6,316,881. Cited.

Appealed from United States District Court for the Northern District of California, Judge Claudia Wilken.

Richard L. Stanley Howrey, LLP, of Houston, Texas, argued for plaintiff/counterclaim

defendant-appellant and counterclaim defendant-appellant. With him on the brief were Korula T. Cherian and Duane H. Mathiowetz, of San Francisco, California. Of counsel on the brief were Joseph Lin, O2 Micro, Inc., of Santa Clara, California; Charlene M. Morrow, Fenwick & West, LLP, of Mountain View, California; and Michael J. Sacksteder and Heather N. Mewes, Fenwick & West, LLP, of San Francisco, California. Of counsel was C .J. Alice Chen, Fenwick & West, LLP, of Mountain View, California.

Dan L. Bagatell, Perkins Coie Brown & Bain P.A., of Phoenix, Arizona, argued defendant/counterclaimant-appellee. With him on the brief were James A. DiBoise and Michael Barclay, Wilson Sonsini Goodrich & Rosati, of Palo Alto, California.

Before MICHEL, Chief Judge, DYK and PROST, Circuit Judges.

DYK, Circuit Judge.

*1 Appellants 02 Micro International Limited and 02 Micro, Inc. (collectively "02 Micro") appeal the district court's grant of summary judgment of non-infringement in favor of appellee Monolithic Power Systems, Inc. ("MPS"). Specifically, 02 Micro contends that the district court erred in denying it leave to amend its infringement contentions and refusing to allow supplementation of its expert report. Because we find no error in the district court's denial of leave to amend the infringement contentions, refusal to amendment of the expert report, or grant of summary judgment, we affirm.

BACKGROUND

Ι

02 Micro is the holder of U.S. Patent No. 6,259,615 (" 615 patent"), which discloses a circuit for converting direct current ("DC") to alternating current ("AC"). The principal use of the circuit is to convert the direct current supplied by laptop batteries into the alternating current required for the cold cathode fluorescent lamps ("CCFLs") that provide the lighting for computer monitors. By

© 2006 Thomson/West. No Claim to Orig. U.S. Govt. Works.

using feedback signals and pulse signals, the circuit controls two pairs of switches so as to regulate the amount of power delivered to the lamp.

Claim 1 of the 615 patent discloses, in relevant part, "a feedback control loop circuit receiving a feedback signal indicative of power being supplied to said [lamp], and adapted to generate a second signal [sic] pulse signal for controlling the conduction state of said second plurality of switches only if said feedback signal is above a predetermined threshold." col.10, l.67-col.11, l.5 (emphasis added). FN1 The latter claim limitation requires that the second set of switches be controlled only if the feedback signal is above a certain threshold. Claim 18 of the 615 patent discloses a nearly identical limitation; FN2 the parties refer to the relevant limitations in claims 1 and 18 collectively as the "only if" limitation.

 Π

02 Micro filed suit in the U.S. District Court for the Northern District of California on October 24, 2001, alleging infringement by MPS of claims 1 and 18 of the 615 patent. MPS counterclaimed for a declaratory judgment that the 615 patent was invalid, unenforceable, or not infringed; it also counterclaimed that 02 Micro infringed MPS's U.S. Patent No. 6,316,881 (881 patent)). (The 881 patent is no longer at issue in the appeal.) Although the complaint did not set forth a specific theory of infringement of the 615 patent, 02 Micro relied on three theories in the course of the proceedings before the district court to explain how the "only if" limitation was satisfied by the accused device. As the district court noted, "[i]n order to determine whether a device infringes the 'only if' limitation, one must compare the feedback signal to the threshold in the allegedly infringing devices." 02 Micro Int'l Ltd. v. Monolithic Power Sys., Inc., Nos. C 00-4071 CW, C 01-3995 CW, slip. op. at 8 (N.D.Cal. Feb. 11, 2004).

*2 Under 02 Micro's "Isense" theory, a feedback control loop in the accused device runs between the lamp and Isense pin. The Isense pin measures the current supplied to the lamp in terms of voltage.

According to this theory, the "only if" limitation is satisfied because the second set of switches is not controlled unless the voltage measurement at the Isense pin is greater than a predetermined threshold determined by another pin, called the Bright pin.

In 02 Micro's "open lamp" theory, the feedback control loop runs between the lamp and the open lamp pin, which is designed to recognize a fault at the lamp ("open lamp condition"), such as an unattached or burnt out lamp. An open lamp condition causes the voltage at the open lamp pin to fall below a certain level, normally 1.2V, which causes all of the switches to stop. The "only if" limitation is met under this theory because the second set of switches (like all switches) is only controlled when the open lamp pin value is above the threshold of an open lamp condition (i.e., normally 1.2V).

Finally, 02 Micro's "Vsense" theory identifies the same feedback control loop as the Isense theory. During normal operations, the voltage value at the Isense pin is greater than either 92mV (standard operation), 83mV (minimum operation), or 101 mV (maximum operation). According to this theory, the second set of switches (like all switches) is only controlled during normal operations, which means that the value at the Isense pin must be above the threshold for normal operations, thus satisfying the "only if" limitation.

On May 31, 2002, the court entered a scheduling order setting the case management schedule. FN3 It established a period for discovery with fact discovery ending on November 4, 2002, and expert discovery ending on December 11, 2002. The scheduling order also noted the prior April 19 submission of preliminary infringement contentions and set a June 7 deadline for preliminary invalidity contentions. Finally, the court set a trial date of May 5, 2003. This order was revised on October 7, 2002. In the revised order, the court established deadlines dependent on the service of its claim construction ruling. Final infringement contentions were to be exchanged 20 days after service of the claim construction ruling. Final invalidity contentions were due 20 days later. Under this revised schedule, fact discovery was to be completed by April 21,

2003, and expert discovery by June 3. On April 21, at the joint request of the parties, the court extended fact discovery until May 9 and expert discovery until June 30.

The Northern District of California has adopted local rules that require parties to state early in the litigation and with specificity their contentions with respect to infringement and invalidity. FN4 The ability of parties to amend those contentions is restricted. Apart from amendments designed to take account of the district court's claim construction, amendments are permitted only for "good cause" even though the period allowed for discovery typically will not have expired.

*3 02 Micro filed preliminary infringement contentions as to the 615 patent on April 19, 2002. as required by the local rules, and relied exclusively on the Isense theory. MPS' preliminary invalidity contentions as to the 615 patent were then served on June 7, 2002. The district court held a claim construction hearing on October 4, 2002, and issued its ruling on December 27, 2002. Under Patent Local Rule 3-6(a), FN5 02 Micro had 30 days after this claim construction ruling to amend its infringement contentions without leave of the court. On January 16, 2003, 02 Micro served its final infringement contentions, still relying solely on the Isense theory. Final invalidity contentions were submitted by MPS twenty days later. Discovery was on-going during this time period, and 02 Micro deposed James C. Moyer, MPS's chief integrated circuit engineer, on February 24-25, 2003. 02 Micro contends that it was only after Dr. Moyer explained the operation of the open lamp pin that it was able to develop the open lamp theory, though 02 Micro did have documents identifying the open lamp pin as early as March 2002.

On March 17, 2003, 02 Micro requested that MPS stipulate to amendment of 02 Micro's invalidity contentions relating to the two MPS patents that are not in issue in this appeal. MPS responded on March 20, 2003, by suggesting reciprocal stipulations allowing amendments of both infringement and invalidity contentions for all patents in the case at the close of discovery. On April 7, 2003, 02 Micro indicated its willingness to

enter such an agreement, provided that the amendments did not involve new statutory bases for invalidity or new prior art references. FN6 In an April 11 letter MPS responded that it "[could] not agree" to this proposal because "[t]he changes to the stipulation proposed by 02 defeats [sic] the purpose of the amendment," though MPS did indicate its willingness to continue negotiations. J.A. at 961. 02 Micro responded on April 15 with substantially the same proposal that it made on April 7, and no further negotiations took place. As the May 9, 2003, discovery deadline approached. 02 Micro counsel telephoned MPS counsel to schedule a date to exchange amended contentions. MPS responded by letter on May 14, stating that it had no plans to amend either its infringement or invalidity contentions and therefore would not stipulate to amendments; MPS did, however, agree to allow amendment of 02 Micro's invalidity contentions with respect to MPS' patents.

Undeterred, 02 Micro sent proposed supplemental infringement contentions concerning the 615 patent , which included the open lamp theory, to MPS on May 23, 2003. MPS responded that same day objecting to 02 Micro's "entirely new infringement theories" and stating that amendment of 02 Micro's contentions "would greatly prejudice MPS." J.A. at 1164. As required by the case management schedule, on May 27, 02 Micro served its opening expert report on infringement, which addressed only the open lamp theory. After MPS rejected its renewed request for a stipulation, 02 Micro moved to amend its infringement contentions on June 6, over three months after the Moyer deposition that had provided the basis for the open lamp theory. Under Patent Local Rule 3-7, amendment of final infringement contentions required leave of the court and a showing of "good cause." FN7 02 Micro claimed "good cause" because the open lamp theory had been developed, based on new evidence disclosed in discovery, after it served its infringement contentions. 02 Micro also asserted " good cause" because MPS originally suggested that it would stipulate to amendments to the contentions but had eventually refused to agree to a stipulation. 02 Micro's motion was supported by three affidavits from its counsel that described the stipulation negotiations and claimed that the open lamp theory

could not have been developed without discovery, including the February 24-25 Moyer deposition. One of the affidavits also stated that 02 Micro's attorneys had been busy with other business related to the case between the time MPS rejected the proposed stipulation and the service of 02 Micro's proposed amended infringement contentions.

*4 On July 2 the magistrate judge denied 02 Micro's motion to amend the infringement contentions, finding that 02 Micro's almost three month delay between the Moyer deposition and the service of its proposed amended contentions constituted a lack of diligence. She also held that the existence of negotiations over the proposed stipulation did not justify the delay in amending the contentions because no enforceable agreement was reached, and any such agreement would not be binding on the court in any event. Finally, the magistrate judge found that MPS would be prejudiced by the delay because it would be unable to address the amended contentions in its expert report and would need additional discovery. 02 Micro filed an objection to the magistrate judge's order with the district court

In an attempt to address the prejudice concerns, 02 Micro moved on July 7 to amend the case management schedule to allow MPS to submit a supplemental expert report addressing the open lamp theory. On July 25 02 Micro moved again to amend the case management schedule, seeking new deadlines that would allow for supplementation of expert reports to address the Isense theory and additional expert discovery concerning the supplemental reports.

On the same day, MPS moved for summary judgment of non-infringement. On August 5, 2003, the district court overruled 02 Micro's objection to the magistrate judge's order refusing to allow amendments to the infringement contentions and denied 02 Micro's two pending motions to extend the case management schedule.

02 Micro responded to the summary judgment motion on August 8, relying for the first time on the Vsense theory and including declarations describing this theory from its expert, Robert Erickson, and the

inventor of the 615 patent, Yung-Lin Lin. Those declarations also opined that the Vsense and Isense theories were identical. The district court held that these untimely expert reports should not be considered because 02 Micro had only pointed to the alleged stipulation agreement as excusing the untimeliness, and that argument had already been rejected in the context of the untimely infringement contentions. It further concluded that, even considering this supplemental expert testimony, 02 Micro had not provided any evidence of infringement. Although the court acknowledged that Drs. Erickson and Lin had stated that the Vsense and Isense theories were identical, it concluded that the two theories "express different ideas" because " [o]ne makes the 'only if' comparison in units of current, and the other in units of voltage." 02 Micro Int'l Ltd. v. Monolithic Power Sys., Inc., Nos. C 00-4071 CW, C 01-3995 CW, slip. op. at 10 (N.D.Cal. Feb. 11, 2004). Having limited the infringement contentions to the Isense theory and finding no evidence in the record supporting this theory, the court granted summary judgment of non-infringement on February 11, 2004.

In denying 02 Micro's motion for reconsideration on September 15, 2004, the magistrate judge clarified that the original ruling rested on the fact that the plaintiff "unreasonably delayed" in moving to amend its infringement contentions. With the parties' consent, the court then entered an order of final judgment of non-infringement pursuant to Federal Rule of Civil Procedure 54(b). The district court also dismissed MPS's counterclaim for a declaratory judgment of invalidity of the 615 patent without prejudice. 02 Micro timely appealed. We have jurisdiction pursuant to 28 U.S.C. § 1295(a)(1) (2000).

DISCUSSION

*5 This case primarily presents questions concerning the interpretation and application of the Northern District of California's local rules for patent cases. As noted, a party claiming patent infringement in the Northern District must serve preliminary infringement contentions within ten days of the initial case management conference. See

Northern District of California have taken various positions depending on the facts of the particular case as to whether non-compliance with the rules for disclosure of contentions should bar reliance on theories omitted from the preliminary or final contentions. FN9

U.S. Dist. Ct. N.D. Cal. Patent L.R. 3-1. Among other things, these contentions must specify each claim of each patent that is allegedly infringed, each product that allegedly infringes, and the location in the product where each element of each asserted claim is found. See id. The preliminary contentions generally become the final contentions thirty days after the claim construction ruling unless a party serves final infringement contentions. A party may submit final infringement contentions that differ from the preliminary contentions without leave of the court within the thirty day period after the claim construction ruling only if the amending party believes in good faith that the claim construction ruling or the documents submitted with the other party's invalidity contentions require a change. See U.S. Dist. Ct. N.D. Cal. Patent L.R. 3-6. Outside of this thirty day period, amendments or modification to the contentions can only be made "by order of the Court ... upon a showing of good cause." See U.S. Dist. Ct. N.D. Cal. Patent L.R. 3-7. The district judges in the Northern District of California, including the district judge in this case, have understood the good cause requirement in the local patent rules to require a showing that the party seeking leave to amend acted with diligence in promptly moving to amend when new evidence is revealed in discovery. See J.A at 46 (noting that the plaintiff unreasonably delayed in moving to amend); see also, e.g., ZiLOG, Inc. v. Quicklogic Corp., No. C03-03725 JW, 2006 WL 563057, at *1 (N.D.Cal. March 6, 2006) ("This constitutes sufficient diligence to meet the 'good cause' standard.").

The local patent rules do not specify the actions that the district court may or must take if there is non-compliance with the requirements for disclosure of contentions. However, the rules are essentially a series of case management orders, FN8 and the deadlines for submission of contentions in this case were explicitly included in a supplemental case management order. The court may impose any "just" sanction for the failure to obey a scheduling order, including "refusing to allow the disobedient party to support or oppose designated claims or defenses, or prohibiting that party from introducing designated matters in evidence." Fed.R.Civ.P. 16(f); Fed.R.Civ.P. 37(b)(2)(B). District judges in the

I

*6 [1] 02 Micro appears to contend that, while diligence is the correct standard, the local patent rules are invalid unless they are construed to require a finding of "good cause" whenever a party seeks to amend contentions based on new material revealed in discovery so long as the motion to amend is filed within a "reasonable time" after the close of discovery. As an initial matter, we must decide whether Federal Circuit or Ninth Circuit law governs the validity and interpretation of the Northern District of California's local patent rules.

[2] "[A] procedural issue that is not itself a substantive patent law issue is nonetheless governed by Federal Circuit law if the issue pertains to patent law, if it bears an essential relationship to matters committed to our exclusive control by statute, or if clearly implicates the jurisprudential responsibilities of this court in a field within its exclusive jurisdiction." Midwest Indus., Inc. v. Karavan Trailers, Inc., 175 F.3d 1356, 1359 (Fed.Cir.1999) (en banc in relevant part) (internal citations and quotation marks omitted). More recently, we have explained that in matters of procedure we "will apply the law of the regional circuit to which district court appeals normally lie, unless the issue pertains to or is unique to patent law." Sulzer Textil A.G. v. Picanol N.V., 358 F.3d 1356, 1363 (Fed.Cir.2004) (internal quotation marks omitted). However, "we will apply our own law to both substantive and procedural issues intimately involved in the substance of enforcement of the patent right." Id. (internal quotation marks omitted).

There is an important distinction between local rules of general applicability, which by definition are not unique to patent law and where we apply regional circuit law, FN10 and local rules that only

apply to patent cases. However, we need not decide in this case whether Federal Circuit law governs the validity and interpretation of all procedural rules unique to patent cases. The issue here is somewhat narrower for the local rules in question are not only unique to patent cases but also are likely to directly affect the substantive patent law theories that may be presented at trial, being designed specifically to " require parties to crystallize their theories of the case early in the litigation" so as to "prevent the ' shifting sands' approach to claim construction." Atmel Corp. v. Info. Storage Devices, Inc., No. C 95-1987 FMS, 1998 WL 775115, at *2 (N.D.Cal.1998). Under such circumstances we conclude that issues concerning the validity and interpretation of such local rules are "intimately involved in the substance of enforcement of the patent right," Sulzer Textil, 358 F.3d at 1363, and must be governed by the law of this circuit.

This conclusion is supported by our precedent. For example, in Advanced Cardiovascular Systems, v. Medtronic, Inc., 265 F.3d 1294 (Fed.Cir.2001), we reviewed the denial of leave to amend a response chart under the then-existing Northern District of California rules to add a new statutory basis for invalidity. We held that Federal Circuit law applied because "[d]etermining the sufficiency of notice regarding defenses asserted under specific statutory provisions of the patent laws clearly implicates the jurisprudential responsibilities of this court within its exclusive jurisdiction." Id. at 1303; see also Genentech, Inc. v. Amgen, Inc., 289 F.3d 761, 774 (Fed.Cir.2002) (applying Federal Circuit law in upholding the district court's exclusion of the doctrine of equivalents theory of infringement under local rules requiring the submission of claim charts in patent cases and providing standards for the amendment of the claims). Since the Northern District of California's local patent rules on amendment of infringement contentions are unique to patent cases and have a close relationship to enforcement of substantive patent law, we proceed to review their validity and interpretation under Federal Circuit law.

*7 [3][4] Turning to the merits of 02 Micro's claim, we do not doubt our power in the appropriate circumstance to refuse to enforce a local rule that

unduly limits discovery in patent cases. FN11 To be valid, local rules must be consistent with both acts of Congress and the Federal Rules of Civil Procedure. See 28 U.S.C. § 2071(a) (2000); Fed.R.Civ.P. 83(a)(1). A local rule need not be directly contradictory to a federal rule to be invalid; a local rule that is inconsistent with the purposes of a federal rule is also invalid. See Whitehouse v. U.S. Dist. Ct. for Dist. of Rhode Island, 53 F.3d 1349, 1363 (1st Cir.1995). It is foreseeable that a local patent rule could conflict with the spirit, if not the letter, of the broad discovery regime under the Federal Rules of Civil Procedure, especially given the particular importance of discovery in complex patent cases. See generally 8 Charles Alan Wright, Arthur R. Miller & Richard L. Marcus, Federal Practice and Procedure ("Wright & Miller") §§ 1202, 2001 (2d ed.1994).

[5] In saying that amendments to contentions must be permitted as a matter of course when new information is revealed in discovery, 02 Micro incorrectly seems to assume that the discovery rules are designed solely to enable a claimant to develop information to support its claim. While a party asserting a claim or counterclaim must have a reasonable basis for filing suit, the Federal Rules require only notice pleading by the claimant. See Swierkiewicz v. Sorema, N.A., 534 U.S. 506, 512-14, 122 S.Ct. 992, 152 L.Ed.2d 1 (2002); see also Fed.R.Civ.P. 8. Given the simplified notice pleading system, the discovery allowed by the rules serves two purposes. First, discovery allows the plaintiff to develop facts to support the theory of the complaint and allows the defendant to develop facts to support its defenses. See Hickman v. Taylor, 329 U.S. 495, 501, 67 S.Ct. 385, 91 L.Ed. 451 (1947). Second, discovery is designed to allow the defendant to pin down the plaintiffs theories of liability and to allow the plaintiff to pin down the defendant's theories of defense, thus confining discovery and trial preparation to information that is pertinent to the theories of the case. See id.; Wright & Miller § 2001; see also Fed.R.Civ.P. 33, advisory committee's note to 1970 amendment of subsection (b) ("As to requests [via interrogatories] for opinions or contentions that call for the application of law to fact, they can be most useful in narrowing and sharpening the issues, which is a major purpose

of discovery.").

In practice the latter objective-allowing the parties to discover their opponent's theories of liability-has been difficult to achieve through traditional discovery mechanisms such as contention interrogatories. Answers to such interrogatories are often postponed until the close of discovery, see Fed.R.Civ.P. 33(c), or are amended as a matter of course during the discovery period, see Wright & Miller § 2181 (noting that courts should allow amendments to interrogatories as parties complete their investigations and develop a full understanding of the case). The local patent rules in the Northern District of California are designed to address this problem by requiring both the plaintiff and the defendant in patent cases to provide early notice of their infringement and invalidity contentions, and to proceed with diligence in amending those contentions when new information comes to light in the course of discovery. The rules thus seek to balance the right to develop new information in discovery with the need for certainty as to the legal theories.FN12

*8 02 Micro is certainly correct that refusing to allow any amendment to contentions based on new information developed in discovery could be contrary to the spirit of the Federal Rules. The Federal Rules replaced a system in which the issues had to be conclusively defined at the outset of litigation through the pleadings, with a system that relied on discovery and pretrial hearings to gradually identify the precise issues in dispute as more information became available. See Hickman, 329 U.S. at 500; Wright & Miller § 2001; see also Swierkiewicz, 534 U.S. at 512 ("This simplified notice pleading standard relies on liberal discovery rules and summary judgment motions to define disputed facts and issues and to dispose of unmeritorious claims."). If a local patent rule required the final identification of infringement and invalidity contentions to occur at the outset of the case, shortly after the pleadings were filed and well before the end of discovery, it might well conflict with the spirit, if not the letter, of the notice pleading and broad discovery regime created by the Federal Rules. But we see nothing in the Federal Rules that is inconsistent with local rules requiring

the early disclosure of infringement and invalidity contentions and requiring amendments to contentions to be filed with diligence. If the parties were not required to amend their contentions promptly after discovering new information, the contentions requirement would be virtually meaningless as a mechanism for shaping the conduct of discovery and trial preparation.

Thus, we reject 02 Micro's apparent argument that " good cause" must exist for amending its infringement contentions, without regard to its diligence in doing so, merely because new evidence was revealed during discovery. We agree with the Northern District of California that "good cause" requires a showing of diligence. We note that the Ninth Circuit in a related context has reached the same conclusion. See Johnson v. Mammoth Recreations, Inc., 975 F.2d 604, 609 (9th Cir.1992) (holding that the good cause standard for modification of a case management order under Fed.R.Civ.P. 16(b) "primarily considers the diligence of the party seeking the amendment"); see also Fed.R.Civ.P. 16 advisory committee's note to 1983 amendment of section (b) ("[T]he court may modify the schedule on a showing of good cause if it cannot reasonably be met despite the diligence of the party seeking the extension.").

Π

[6][7] We turn then to 02 Micro's second contention-that the district court abused its discretion in holding that it failed to amend its contentions with diligence in this case. The burden is on the movant to establish diligence rather than on the opposing party to establish a lack of diligence. See Genentech, 289 F.3d at 774 (noting that "Genentech does not assert any satisfactory reasons as to why it should be allowed to amend its claim chart"). Decisions enforcing local rules in patent cases will be affirmed unless clearly unreasonable, arbitrary, or fanciful; based on erroneous conclusions of law; clearly erroneous; or unsupported by any evidence. See Genentech, 289 F.3d at 774.

*9 [8] Here, the district court's finding of a lack of

```
--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.)) (Cite as: --- F.3d ----)
```

diligence by 02 Micro was not unreasonable or arbitrary. 02 Micro had reason to know of the open lamp theory as early as March 2002 when it received a data sheet identifying the open lamp pin as part of MPS's initial disclosures. Even accepting 02 Micro's contention that it could not know how the open lamp pin operated until the Moyer deposition in late February 2003 and focusing on the period after this deposition, as the district court did, 02 Micro waited almost three months, until May 23, to serve its proposed amended contentions and two more weeks to formally move to amend.

02 Micro makes three arguments to establish its diligence. First, it claims that the on-going negotiations for a stipulation to joint amendments of infringement and invalidity contentions justified its delay. If there had been an enforceable agreement between the parties, this likely would have satisfied the diligence requirement. Here the letters between the parties reflect offers and counteroffers, but the district court did not err in concluding that they never constituted the "meeting of the minds" required for an enforceable agreement. See Joseph M. Perillo, 1 Corbin on Contracts § 4.13 (Rev. ed.1993). It is also possible that reliance on a tentative agreement concerning extensions reached by the parties in negotiations or misleading conduct by the opposing party (leading the moving party to believe that an agreement would be reached) would under some circumstances justify delay. Here, however, there was no tentative agreement, and no misleading conduct. The district court did not err in concluding that the mere existence of good faith negotiations over a possible stipulation was insufficient to excuse 02 Micro's delay.

02 Micro also contends that the delay was justified by the need "to digest and marshal [the] evidence, develop the new theory, and then chronicle the complete theory in contentions and expert reports." Appellants' Br. at 44-45. It is certainly possible that time was required after the Moyer deposition to sufficiently develop the open lamp theory, but 02 Micro failed to establish that it required three months to do so. In support of its motion, 02 Micro merely provided declarations from its counsel stating that the lawyers were busy with discovery during the delay period from February 25 to June 6.

Those affidavits do not explain the relationship between this work and the open lamp theory, nor did 02 Micro offer a declaration from their expert explaining what he was doing during this time to develop the theory or supporting the need for additional time to develop the theory.

Finally, 02 Micro argues that MPS's statement, in opposing leave for 02 Micro to amend its contentions, that "MPS, its engineers, [and] its expert ... will need months" to analyze and respond to the open lamp theory shows that 02 Micro was diligent in waiting three months between first learning the facts necessary to develop the open lamp theory and moving to amend its contentions. Appellants' Br. at 46. However, this statement provides no evidence of diligence by 02 Micro. It does not explain what 02 Micro was actually doing to develop the open lamp theory during the over three-month delay between the Moyer deposition and the June 6 motion to amend.

*10 Given 02 Micro's delay in moving to amend its infringement contentions and its lack of adequate explanation for this delay, we conclude that the district court did not abuse its discretion in finding a lack of diligence and therefore a lack of "good cause." Having concluded that the district court could properly conclude that 02 Micro did not act diligently in moving to amend its infringement contentions, we see no need to consider the question of prejudice to MPS.

Ш

02 Micro also contends that the district court abused its discretion in rejecting its two efforts to supplement its expert report. The parties agree that the denial of leave to supplement the expert report was an evidentiary ruling to which this court should apply the Ninth Circuit's abuse of discretion standard. See Rhodia Chimie v. PPG Indus., Inc., 402 F.3d 1371, 1376 (Fed.Cir.2005); Columbia Pictures Television, Inc. v. Kyrpton Broad. of Birmingham, Inc., 259 F.3d 1186, 1195 (9th Cir.2001).

[9] First, in its July 25 motion, 02 Micro sought

--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.)) (Cite as: --- F.3d ----)

Page 11

leave to amend its original expert report to address the Isense theory. We conclude that the district court did not abuse its discretion in denying this motion; 02 Micro has never adequately explained why the Isense theory was not included in the original expert report. In its motion, 02 Micro only argued that it "acted in reliance" on "an agreement to exchange amended infringement contentions at the close of discovery." Just as this alleged (but non-existent) agreement did not excuse the late filing of 02 Micro's amendment to its infringement contentions, that claimed agreement does not support an amendment to the expert report.

In response to the summary judgment motion, 02 Micro again tried to offer supplemental expert evidence, this time in the form of declarations on the Vsense theory from its expert, Dr. Erickson, and the inventor of the 615 patent, Dr. Lin. FN13 Drs. Erickson and Lin opined that the Vsense theory expressed the same idea as the Isense theory and therefore their declarations supported the Isense infringement contentions. The court refused to consider this evidence, finding that 02 Micro once again argued that there had been an agreement to stipulate to amendments, an argument that had already been rejected in the context of the motion to amend the infringement contentions. Under these circumstances, we see no need to decide whether the district court was correct in concluding that the Vsense and Isense theories were identical. FN14 Even if they were identical, as 02 Micro contends, 02 Micro failed to show diligence in submitting the expert reports, and the court plainly had the authority to exclude the untimely reports. Federal Rule of Civil Procedure 37(c)(1) authorizes the exclusion of evidence that was not disclosed as required by Federal Rule of Civil Procedure 26(a). Under Rule 26(a)(2), a party must disclose, as directed by the court, its expert witnesses and a report that "contain[s] a complete statement of all opinions to be expressed and the basis and reasons therefor." In this case, the court directed that initial expert reports be submitted by May 27, 2003, and rebuttal reports by June 11. Since the Vsense theory was not disclosed in these expert reports, as required by Fed.R.Civ.P. 26(a)(2), the court did not abuse its discretion in excluding the evidence. See Fed.R.Civ.P. 37(c)(1).

*11 02 Micro contends that, even if the district court's rulings taken individually were not erroneous, the combination of the court's denial of its amendment of the infringement contentions to include the open lamp theory and refusal to allow supplementation of the expert reports to include the Isense or Vsense theory was effectively a dismissal. 02 Micro argues that the district court abused its discretion in imposing this sanction, rather than a lesser sanction that would allow resolution of the case on the merits.

[10] Some cases cited by 02 Micro in support of its argument are distinguishable because they involve the exclusion of evidence as a sanction for discovery abuses. See Heartland Bank v. Heartland Home Fin., Inc., 335 F.3d 810 (8th Cir.2003); United States v. Sumitomo Marine & Fire Ins. Co., 617 F.2d 1365 (9th Cir.1980). In this case the court excluded the evidence because of the failure to comply with the disclosure deadlines required by the local patent rules and the case management order. While there may be circumstances in which the exclusion of evidence as a sanction for the failure to comply with a case management order would be an abuse of discretion, FN15 both the Ninth Circuit and this court have concluded that the exclusion of evidence is often an appropriate sanction for the failure to comply with such deadlines. See SanDisk Corp. v. Memorex Prods., Inc., 415 F.3d 1278, 1292 (Fed.Cir.2005) (finding no abuse of discretion in exclusion of evidence pertaining to theories of claim construction and infringement not disclosed as required by the local patent rules and the court's scheduling order); Wong v. Regents of Univ. of Cal., 410 F.3d 1052, 1060 (9th Cir.2005) ("Parties must understand that they will pay a price for failure to comply strictly with scheduling and other orders, and that failure to do so may properly support severe sanctions and exclusions of evidence."). We see no abuse of discretion in this case, given the significance of the omitted material and 02 Micro's lack of diligence.

We are left to consider 02 Micro's challenge to the district court's grant of MPS's motion for summary judgment. We review a district court's grant of summary judgment of non-infringement without deference. Flex-Rest, LLC v. Steelcase, Inc., 455 (Fed.Cir.2006). Summary F.3d 1351, 1357 judgment is appropriate only if there is no genuine issue of material fact and the movant is entitled to judgment as a matter of law. See Fed.R.Civ.P. 56(c) ; Anderson v. Liberty Lobby, Inc., 477 U.S. 242, 250, 106 S.Ct. 2505, 91 L.Ed.2d 202 (1986). Since 02 Micro's infringement contentions were limited to the Isense theory and 02 Micro failed to timely provide evidence in support of that theory, the district court did not err in granting summary judgment.

CONCLUSION

For the reasons discussed above, the district court did not abuse its discretion in denying 02 Micro's motion to amend its final infringement contentions and rejecting 02 Micro's efforts to supplement its expert report to include evidence on the Isense and Vsense theories. Based on these rulings, the grant of summary judgment was proper.

*12 AFFIRMED

COSTS

No costs.

FN1. Claim 1 states in full:

1. A DC/AC converter circuit for controllably delivering power to a load, comprising an input voltage source; a first plurality of overlapping switches and a second plurality of overlapping switches being selectively coupled to said voltage source, said first plurality of switches defining a first conduction path, said second plurality of switches defining a second conduction path; a pulse generator generating a first pulse signal; a transformer having a primary side and a secondary side, said primary side selectively coupled to said voltage source in an alternating fashion through said first conduction path and, alternately, through said second conduction path; a load coupled to said secondary side of said transformer; and a feedback control loop circuit receiving a feedback signal indicative of power being supplied to said load, and adapted to generate a second signal pulse signal for controlling the conduction state of said second plurality of switches only if said feedback signal is above a predetermined threshold; and drive circuitry receiving said pulse signal and controlling a conduction state of said first and second plurality of switches based on said first and second pulse signals, wherein, said drive circuitry alternating the conduction state of said first and second plurality of switches, controlling the overlap time of the switches in the first plurality of switches, and controlling the overlap time of the switches in the second plurality of switches, to couple said voltage source to said primary side. 615 patent, col. 10, 1.55-col. 11, 1.13.

FN2. Claim 18 states in full:

A converter circuit for delivering power to a CCFL load, comprising: a voltage source; a transformer having a primary side and a secondary side;

- a first pair of switches and a second pair of switches defining a first and second conduction path, respectively, between said voltage source and said primary side;
- a CCFL load circuit coupled to said secondary side;
- a pulse generator generating a first pulse signal;
- a feedback circuit coupled to said load receiving a feedback signal indicative of power being supplied to said load, and adapted to generate a second signal pulse signal for controlling the conduction state of said second plurality of switches only if said feedback signal is above a predetermined threshold; and

circuitry receiving said pulse signal and controlling a conduction state of said first and second plurality of switches based on said first and second pulse signals; and drive circuitry receiving said pulse signal

and said feedback signal and coupling said first pair of switches or said second pair of switches to said voltage source and said primary side based on said first and second pulse signals and said feedback signal to deliver power to said load.

615 patent, col. 12, 1.45-col.13, 1.4 (emphasis added).

FN3. On March 29, 2002, the court had consolidated the case for discovery, and possibly trial, with an earlier case filed by 02 Micro seeking a declaratory judgment of non-infringement and invalidity of MPS's U.S. Patent No. 6,111,814 (" 814 patent"). The 814 patent is not in issue in this appeal.

FN4. Rule 3-1 of the Local Rules of Practice for Patent Cases before the United States District Court for the Northern District of California governs infringement contentions and states:

3-1. Disclosure of Asserted Claims and Preliminary Infringement Contentions.

Not later than 10 days after the Initial Case Management Conference, a party claiming patent infringement must serve on all parties a "Disclosure of Asserted Claims and Preliminary Infringement Contentions." Separately for each opposing party, the "

Disclosure of Asserted Claims and Preliminary Infringement Contentions" Preliminary shall contain the following information:

- (a) Each claim of each patent in suit that is allegedly infringed by each opposing party;
- (b) Separately for each asserted claim, each accused apparatus, product, device, method, process, act, or other instrumentality ("Accused Instrumentality") of each opposing party of which the party is aware. This identification shall be as specific as possible. Each product, device, and apparatus must be identified by name

or model number, if known. Each method or process must be identified by name, if known, or by any product, device, or apparatus which, when used, allegedly results in the practice of the claimed method or process;

- (c) A chart identifying specifically where each element of each asserted claim is within each Instrumentality, including for each element that such party contends is governed by 35 U.S.C. § 112(6), the identity of the structure(s), act(s), or material(s) in the Accused Instrumentality that performs the claimed function:
- (d) Whether each element of each asserted claim is claimed to be literally present or present under the doctrine of equivalents in the Accused Instrumentality;
- (e) For any patent that claims priority to an earlier application, the priority date to which each asserted claim allegedly is entitled: and
- (f) If a party claiming patent infringement wishes to preserve the right to rely, for any purpose, on the assertion that its own apparatus, product, device, method, act, or other instrumentality practices the claimed invention, the party must identify, separately for each asserted claim, each such apparatus, product, device, process, method, act, or other instrumentality that incorporates or reflects that particular claim.

Rule 3-3 governs invalidity contentions and states:

3-3. Preliminary Invalidity Contentions.

Not later than 45 days after service upon it of the "Disclosure of Asserted Claims and Preliminary Infringement Contentions," each party opposing a claim of patent infringement, shall serve on all parties its " Preliminary Invalidity Contentions" which must contain the following information:

(a) The identity of each item of prior art that allegedly anticipates each asserted claim or renders it obvious. Each prior art patent shall be identified by its number, country of origin, and date of issue. Each prior art publication must be identified by

its title, date of publication, and where

feasible, author and publisher. Prior art under 35 U.S.C. § 102(b) shall be

identified by specifying the item offered

for sale or publicly used or known, the date

the offer or use took place or the

information became known, and the

identity of the person or entity which made

the use or which made and received the

offer, or the person or entity which made

the information known or to whom it was

made known. Prior art under 35 U.S.C. § 102(f) shall be identified by providing the

name of the person(s) from whom and the

circumstances under which the invention

or any part of it was derived. Prior art

under 35 U.S.C. § 102(g) shall be

identified by providing the identities of the

person(s) or entities involved in and the

Page 14

--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.)) (Cite as: --- F.3d ----)

(a) If a party claiming patent infringement believes in good faith that (1) the Court's Claim Construction Ruling or (2) the documents produced pursuant to Patent L.R. 3-4 so requires, not later than 30 days

documents produced pursuant to Patent L.R. 3-4 so requires, not later than 30 days after service by the Court of its Claim Construction Ruling, that party may serve "Final Infringement Contentions" without leave of court that amend its "Preliminary Infringement Contentions" with respect to the information required by Patent L.R. 3-1(c) and (d).

FN6. The second-to-last sentence of 02 Micro's April 7 letter said "[02 Micro] is willing to agree on an exchange of amended invalidity contentions on the same schedule." 02 Micro apparently meant "infringement contentions" when it referred to invalidity contentions.

circumstances surrounding the making of the invention before the patent applicant(s); (b) Whether each item of prior art anticipates each asserted claim or renders it obvious. If a combination of items of prior art makes a claim obvious, each such combination, and the motivation to

- combine such items, must be identified; (c) A chart identifying where specifically in each alleged item of prior art each element of each asserted claim is found, including for each element that such party contends is governed by 35 U.S.C. § 112(6), the identity of the structure(s), act(s), or material(s) in each item of prior art that performs the claimed function; and
- (d) Any grounds of invalidity based on indefiniteness under 35 U.S.C. § 112(2) or enablement or written description under 35 U.S.C. § 112(1) of any of the asserted claims

FN5. Patent Local Rule 3-6(a) states: 3-6. Final Contentions.

Each party's "Preliminary Infringement Contentions" and "Preliminary Invalidity Contentions" shall be deemed to be that party's final contentions, except as set forth below.

FN7. Rule 3-7 states:

3-7. Amendment to Contentions.

Amendment or modification of the Preliminary or Final Infringement Contentions or the Preliminary or Final Invalidity Contentions, other than as expressly permitted in Patent L.R. 3-6, may be made only by order of the Court, which shall be entered only upon a showing of good cause.

FN8. See Integrated Circuit Sys. v. Realtek Semiconductor Co., 308 F.Supp.2d 1106, 1107 (N.D.Cal.2004) ("The purpose of the Patent Local Rules is to place the parties on an orderly pretrial track which will produce a ruling on claim construction approximately a year after the complaint is filed.").

FN9. Compare, e.g., Informatica Corp. v. Bus. Objects Data Integration, Inc., No. C 02-3378 JSW, 2006 WL 463549, at *2 (N.D.Cal. Feb.23, 2006) (granting motion to strike new infringement claims because the standard for amendment of contentions was not satisfied); with, e.g., Biogenex Labs. v. Ventana Med. Sys., No. C 05-860

```
--- F.3d ----
--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.))
(Cite as: --- F.3d ----)
```

JF (PVT), 2006 WL 2228940, at *4 (N.D.Cal. Aug. 3, 2006) (considering new theory despite non-compliance with patent local rules because "the Court is extremely reluctant to dispose of substantive infringement claims based upon procedural defects").

FN10. See, e.g., Slip Track Sys., Inc. v. Metal-Lite, Inc., 304 F.3d 1256, 1270 (Fed.Cir.2002) (applying Ninth Circuit law to determine whether good cause had been shown for modifying the pre-trial scheduling order under Fed.R.Civ.P. 16(b)); Bose Corp. v. JBL, Inc., 274 F.3d 1354, (Fed.Cir.2001) (applying First 1360 Circuit law to the exclusion of evidence of a prior art reference under Federal Rule of Evidence 403 because the evidence lacked probative value and the other party would be prejudiced).

FN11. The local patent rules in this case explicitly yield to the Federal Rules of Civil Procedure in the event of a direct conflict, See U.S. Dist. Ct. N.D. Cal. Patent L.R.2-5.

FN12. See Nova Measuring Instruments Ltd. v. Nanometrics, Inc., 417 F.Supp.2d 1121, 1123 (N.D.Cal.2006) ("The [patent local] rules are designed to require parties to crystallize their theories of the case early in the litigation and to adhere to those theories once they have been disclosed.").

FN13. On appeal, 02 Micro contends that Dr. Lin was a general, not expert, witness. However, the district court characterized Dr. Lin's testimony as "supplemental expert testimony," 02 Micro Int'l Ltd. v. Monolithic Power Sys., Inc., Nos. C 00-4071 CW, C 01-3995 CW, slip. op. at 9 (N.D.Cal. Feb. 11, 2004), and we see no error in this characterization.

FN14. In this respect, the district court appeared to be mistaken when it concluded that the Isense and Vsense theories were different because one made the "only if" comparison in units of current and the other in units of voltage. The appellee admits that both theories do depend on a voltage reading.

FN15. See, e.g., Ty, Inc. v. Softbelly's, Inc., 353 F.3d 528 (7th Cir.2003) (holding that discriminatory sanctions imposed on one party for a minor violation were an abuse of discretion); Potlatch Corp. v. United States, 679 F.2d 153 (9th Cir.1982) (holding that it was an abuse of discretion to exclude evidence where the moving party had acted diligently).

C.A.Fed. (Cal.),2006.

02 Micro Intern. Ltd. v. Monolithic Power Systems,

--- F.3d ----, 2006 WL 3300458 (C.A.Fed. (Cal.))

Briefs and Other Related Documents (Back to top)

- 2006 WL 1433942 (Appellate Brief) Reply Brief of Counterclaim Defendants-Appellants O2 Micro International Limited and O2 Micro, Inc. (Apr. 24, 2006) Original Image of this Document (PDF)
- 2006 WL 1177390 (Appellate Brief) Response Defendant/Counterclaimant-Appellee of Monolithic Power Systems, Inc. (Apr. 7, 2006) Original Image of this Document with Appendix (PDF)
- · 2006 WL 815379 (Appellate Brief) Brief of Counterclaim Defendants-Appellants O2 Micro International Limited and O2 Micro, Inc. (Feb. 28, 2006) Original Image of this Document with Appendix (PDF)
- 06-1064 (Docket) (Nov. 8, 2005)

END OF DOCUMENT